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October 31, 2013

Ms. Kristin DuFresne
Wisconsin Department of Natural Resources
Remediation and Redevelopment Program
2984 Shawano Avenue
Green Bay, WI 54313-6727

Subject: **Additional Limited Subsurface Investigation**
Broadway Automotive
1010 & 1109 South Military Avenue
Green Bay, Wisconsin
Cardno ATC Project No. 11.44452.0001 (11003)

Dear Ms. DuFresne:

On behalf of Broadway Enterprises, Inc. (Broadway), Cardno ATC is pleased to submit this Additional Limited Subsurface Investigation (ALSI) report to the Wisconsin Department of Natural Resources (WDNR) documenting the ALSI that was completed within the two (2) properties (collectively referred as the "site") addressed as 1010 and 1109 South Military Avenue, Green Bay, Wisconsin. This ALSI has been performed at the request of WDNR in an effort to verify previously detected chemical impacts identified in groundwater samples that were collected from temporary wells. These temporary wells were installed during the course of the initial Limited Subsurface Investigation (LSI) that was conducted at the site on April 1-2, 2013. This scope of work included the installation of permanent groundwater monitoring wells and the collection of groundwater samples. This report includes descriptions of the completed field activities, a brief description of site conditions, a summary of laboratory analytical results, and our conclusions based on field observations and laboratory analytical results. The field activities were conducted in general accordance with the scope of work detailed in Cardno ATC's Revised ALSI Work Plan, dated September 5, 2013.

If you have questions or comments regarding the information in this ALSI, or if we can provide further assistance, please do not hesitate to contact the undersigned at (630) 916-7272.

Sincerely,
Cardno ATC

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1.0 INTRODUCTION

Based on the findings of an LSI that was conducted within the 1010 South Military Avenue and 1109 South Military Avenue properties (collectively referred as the "site") on April 1-2, 2013, regulatory reporting was submitted to WDNR by the owner of the site. The WDNR Form 4400-225 (Notification Letter) was prepared and submitted to WDNR on May 15, 2013. Upon receipt and review of the Notification Letter Package, WDNR's Remediation and Redevelopment Program (RR) sent an email to Cardno ATC on May 31, 2013. According to the email, WDNR elected to postpone their decision as to whether case numbers would be generated for both properties until further investigation activities were concluded. WDNR also requested the copies of the previous Cardno ATC Phase I Environmental Site Assessment (Phase I ESA) and Phase I ESA Addendum reports and additional groundwater investigation activities within both properties to confirm the results reported in the May 15, 2013 Notification Letter Package.

Cardno ATC subsequently prepared and submitted an ALSI Work Plan, dated September 5, 2013 to WDNR's RR for their review and approval. Upon receipt and review of the ALSI Work Plan, WDNR's RR sent an email to Cardno ATC on September 12, 2013. According to the email, WDNR approved the proposed field activities with modifications.

1.1 Site Location & Description

The site consists of two (2) properties that are divided by South Military Avenue and located in Green Bay, Brown County, Wisconsin. The site encompasses an approximate area of 13.28-acres and is associated with the following addresses: 1010 South Military Avenue and 1109 South Military Avenue. The site, which is owned and operated by Broadway Automotive as a car dealership, auto service/maintenance and auto body collision repair, is currently developed with seven (7) buildings. The remaining portions of the site are covered with asphalt pavement for the parking, storage or staging of vehicles. The following buildings are located on each portion of the property:

1010 South Military Avenue:

- Building 1: The Auto Credit Sales building (addressed as 1626 7th Street) is located on the southwest portion of the property and was developed in the early 1980s.
- Building 2: The Warehouse building is located on the central-western portion of the property and was developed in the early 1990s.
- Building 3: The Medium Truck Shop building is located on the northwest portion of the property and was developed in the early 1990s.
- Building 4: The Quick Lane building is located on the central-northern portion of the property and was developed in the late 1990s.
- Building 5: The Main building (i.e. sales, service, administrative and parts departments) is located on the northeast portion of the property and was developed in the early 1970s.
- Building 6: The Hyundai Showroom and Broadway Enterprises Incorporated Offices building is located on the southwest portion of the property and was developed in the early 1970s.

1109 South Military Avenue:

- Building 7: The Used Car and Sales Shop building is located on the east side of South Military Avenue on a separate parcel of land (6-482) and was developed in the late 1960s.

The surrounding area is generally developed with a mixture of commercial and residential properties. Specifically, the site is bordered to the west by residential properties and Beaver Dam Creek. The site is bordered to the north by commercial and single-family residences. The site is bordered to the east by single-family residences. Additionally, the site is bordered to the south by commercial, residential and municipal properties.

1.2 Previous Site Investigation/Regulatory Reporting

Cardno ATC was retained by Broadway to conduct an LSI at the site. During the LSI, a Ground Penetrating Radar (GPR) Survey was conducted to determine whether any anomalies of environmental concern were present in the subsurface. Based on the findings of the GPR Survey, a total of six (6) anomalies that were identified were selected for further investigation. Subsequently, a total of twenty-two (22) soil borings were advanced and twenty (20) temporary monitoring wells were installed at selected locations to assess the soil and groundwater for potential chemical impacts associated with the findings of a Cardno ATC Phase I ESA, Phase I ESA Addendum and the GPR Survey. Field screening did not reveal evidence of chemical impacts to soil or groundwater, with the exception of the soil borings advanced within the Quick Lane building (Building 4). Specifically, a chemical odor was noted in the perched groundwater within the fill/native materials. Soil and groundwater samples were collected and submitted for laboratory analysis of three (3) or more of the following: Volatile Organic Compounds (VOCs), Polyaromatic Hydrocarbons (PAHs), Polychlorinated Biphenyls (PCBs), Resource Conservation and Recovery Act (RCRA) Metals, Total Petroleum Hydrocarbons (TPH) Diesel Range Organics (DRO), TPH Gasoline Range Organics (GRO) and Metals (Cadmium, Chromium and Lead). The locations of the soil borings and temporary monitoring well locations that were advanced/installed during the LSI are shown on **Figure 1.** The following table depicts the locations of the soil borings/temporary wells that were advanced/installed at the site and the associated chemical parameters that were analyzed at the laboratory.

LSI - SOIL AND GROUND WATER SAMPLING LOCATIONS			
Environmental Concern	**Soil Boring/Temporary Well Identification**	**Location**	**Chemical Parameters**
Two (2) former 1,000-gallon waste oil Underground Storage Tanks (USTs)	B18/B18TW	Exterior southwest corner of Building 7	VOCs, PAHs, PCBs, TPH-DRO, TPH-GRO, Cadmium, Chromium and Lead
	B19/B19TW	Exterior west wall of Building 7	
Chemical release associated with Ray's Tire property	B7/B7TW	Site boundary west of Building 6	VOCs, PAHs, Cadmium, Chromium and Lead
Former historic farmsteads	B1/B1TW	West of Building 1	VOCs, PAHs and RCRA Metals. Soil also analyzed for TPH-DRO and TPH-GRO.
	B9/B9TW	East of Building 7	
Drum storage areas	B2/B2TW	South wall of Building 4	VOCs, PAHs, TPH-DRO, TPH-GRO, Cadmium, Chromium and Lead
Parts washers	B4/B4TW	Inside Building 3	VOCs, PAHs and RCRA Metals
	B14/B14TW	Service area in southern portion of Building 5	VOCs, PAHs, Cadmium, Chromium and Lead
Parts washer and oil/water separator	B13*/B13TW	Main Service Area of Building 5	VOCs, PAHs, PCBs, TPH-DRO, TPH-GRO, Cadmium, Chromium and Lead
Current in-ground hydraulic lifts	B10	Main Service Area of Building 5	VOCs, PAHs, PCBs, TPH-DRO, TPH-GRO and RCRA Metals
	B11/B11TW	Main Service Area of Building 5	
	B21/B21TW	Main Service Area of Building 7	
Multiple Above Ground Storage Tank (AST) fill ports	B3/B3TW	South wall of Building 4	VOCs, PAHs, TPH-DRO, TPH-GRO, Cadmium, Chromium and Lead
Sublevel petroleum collection plate	B15/B15TW	Sublevel portion of Building 4	Soil sample not collected (Fill and native submerged in groundwater). Groundwater analyzed for VOCs, PAHs, TPH-DRO, TPH-GRO, Cadmium, Chromium and Lead
Oil/water separators, floor drains and associated lines	B12/B12TW	Adjacent to catch basin at the east side of the Main Service Area of Building 5	VOCs, PAHs, PCBs, TPH-DRO, TPH-GRO, Cadmium, Chromium and Lead

LSI - SOIL AND GROUND WATER SAMPLING LOCATIONS			
Environmental Concern	**Soil Boring/Temporary Well Identification**	**Location**	**Chemical Parameters**
	B20/B20TW	Adjacent to oil/water separator in Building 7	
Oil/water separator basins, floor drains, associated lines and paint booth	B22	Adjacent to trench and paint both in Building 7	VOCs, PAHs, PCBs and RCRA Metals. Soil also analyzed for TPH-DRO and TPH-GRO.
Anomalies encountered during GPR Survey	B5	Adjacent to anomaly (Area 2) on the exterior west wall of Building 5	VOCs, PAH and RCRA Metals
	B6/B6TW	Adjacent to anomaly (Area 3) on the exterior west wall of Building 5	VOCs, PAH and RCRA Metals
	B8/B8TW	Adjacent to anomaly (Area 8) east of Building 7	
	B16/B16TW	Adjacent to anomaly (Area 4) near the exterior northeast corner of Building 5	
	B17/B17TW	Adjacent to anomaly (Area 6) on exterior north wall of Building 6	

*Indicates that the soil boring/temporary well was advanced/installed to assess multiple environmental concerns.

The analytical data for the soil and groundwater samples that were collected during the Cardno ATC LSI indicated that Arsenic was detected in eleven (11) soil samples at concentrations above the current NR 720 Soil Cleanup Standard and proposed Residual Contaminant Levels (RCLs). Chromium was also detected in nineteen (19) soil samples and Selenium was detected in one (1) soil sample at concentrations above the proposed RCLs. Metals (Barium, Cadmium, Chromium, Lead and Selenium) above the Natural Resources 140 Preventive Action Limits (NR140 PALs) were also detected in up to eighteen (18) of the groundwater samples collected throughout the site. The concentration of Lead in the groundwater sample collected from B7TW also exceeded the NR140 Enforcement Standards (NR140 ES). Based on the findings of the LSI, regulatory reporting was required by the owner of the site. Subsequently, the WDNR Form 4400-225 (Notification Letter) was prepared and submitted to WDNR on May 15, 2013.

2.0 ADDITIONAL LIMITED SUBSURFACE INVESTIGATION

2.1 Pre-Field Activities

Prior to commencing the drilling and sampling activities, Cardo ATC's drilling contractor notified the State of Wisconsin's public utility locating service (DIGGER) to identify public utilities at the site. Cardno ATC also prepared a project-specific Health and Safety Plan to (HASP) to address safety issues associated with the proposed field activities. This HASP was prepared to ensure safe working conditions during the field activities conducted by Cardno ATC and contractors. The elements of the HASP were based on the requirements described in the Occupational Safety and Health Administration rules (29 CFR 1910). The plan addressed the potential hazards associated with the field activities and the personnel protection measures selected in response to these potential hazards. As a precaution, Cardno ATC retained a private utility locator to identify private underground utility lines within the areas of the proposed permanent monitoring wells. Photographic documentation of the completed field activities is included in **Appendix A**.

2.2 Permanent Monitoring Well Installation and Sampling Activities

On October 3, 2013, Cardno ATC and a drilling subcontractor mobilized to the site to install seven (7) permanent monitoring wells within the 1010 South Military Avenue property and four (4) permanent monitoring wells within the 1109 South Military Avenue property. The wells were installed to an approximate depth of 15-feet bgs utilizing a track mounted Geoprobe® equipped with hollow stem augering technology. The permanent monitoring well locations are shown on **Figure 2**.

The wells were constructed on October 3, 2013 by inserting a field determined section of 0.010-inch slotted screen constructed of polyvinyl chloride into Geoprobe® augered boreholes with the screened intervals intersecting the bottom groundwater interval. The annular spaces around each well were filled with clean sand from the bottom of the well to approximately 2-feet above the well screen. Bentonite was placed above the sand to seal off the upper layers of soil to prevent surface water infiltration into the well. Concrete was used to complete the installation of a steel monitoring well vault with a locking and flush-mounted steel cover to house and protect the top of the well.

Prior to the developing/purging each well, the depth to groundwater readings and the depth to bottom readings were collected utilizing a water level meter. The monitoring wells were subsequently developed/purged with a Whale Pump – Model II® that was decontaminated between well locations and new tubing until at least 10 well volumes of groundwater had been removed or the groundwater had been cleared of fine sediments.

After developing/purging the wells, a groundwater sample was collected from each well utilizing an in-line groundwater filter, peristaltic pump and tygon/teflon tubing. It should be noted that groundwater samples collected for laboratory analysis of VOCs were not filtered. Groundwater samples collected for VOCs per Method 8260B were containerized by filling two (2) 40-ml amber glass vials filled with hydrochloric acid preservative. Groundwater samples collected for PAH analysis per Method 8270C-SIM were containerized in three (3) unpreserved 40-ml glass vials. Groundwater samples collected for RCRA Metals analysis per Method 6010B/7470A were containerized by filling one 500-ml plastic container filled with nitric acid preservative. All groundwater samples collected for laboratory analysis were placed in the laboratory provided containers, labeled, placed in a cooler with ice and logged on a chain of custody form prior to delivery to the laboratory. To avoid cross-contamination between wells, no sampling equipment (i.e., tygon/teflon tubing and filters) was reused. Upon receipt of the laboratory analytical data, the results were compared to the NR140 PALs and NR140 ES, as referenced in the current version of the Wisconsin Administrative Code (WAC) NR140 – Groundwater Quality, January of 2012.

The following table contains a “Conceptual Model” that lists the location of each new permanent monitoring well, the chemical parameters that were analyzed at each location and the chemical impacts that were previously encountered during the Cardno ATC LSI.

ALSI CONCENPTUAL MODEL - GROUND WATER SAMPLING			
Well Identification	**Location**	**Previous LSI Exceedances**	**Chemical Parameters**
MW1	B1TW	Cadmium, Chromium, Lead and Selenium	RCRA Metals
MW2	B17/B17TW	Barium and Selenium	RCRA Metals
MW3	B7/B7TW	Cadmium, Chromium and Lead	RCRA Metals
MW4	B6	Cadmium and Lead	RCRA Metals
MW5	B2/B2TW	Tetrahydrofuran	RCRA Metals, VOCs and PAHs
	B3/B3TW	Tetrahydrofuran, Cadmium, Chromium and Lead	

ALSI CONCENPTUAL MODEL - GROUND WATER SAMPLING			
Well Identification	**Location**	**Previous LSI Exceedances**	**Chemical Parameters**
MW5	B15/B15TW	Benzo(a)pyrene , Benzo(b)fluoranthene, Chrysene and Lead	RCRA Metals, VOCs and PAHs
MW6	B16/B16TW	Lead and Selenium	RCRA Metals
MW7	B11/B11TW	Benzo(b)fluoranthene, Lead and Selenium	RCRA Metals
MW8	B18/B18TW	Lead	RCRA Metals
MW9	B22	Lead and Selenium	RCRA Metals
MW10	B8/B8TW	Benzo(a)pyrene , Benzo(b)fluoranthene , Chrysene, Chromium and Selenium	RCRA Metals and PAHs
	B21/B21TW	Selenium	
MW11	B9TW	Chromium, Lead and Selenium	RCRA Metals

2.3 Groundwater Elevation Measurements

On October 4, 2013, the site was surveyed in an effort to determine groundwater elevations and the direction of groundwater flow. Cardno ATC assigned a bench-mark elevation of 100.00 feet to the finished floor of Building 7. The elevations of the ground surface and top-of-well casing (TOC) for each well were then surveyed relative to this benchmark utilizing an auto level. The depth to groundwater readings were subsequently adjusted to the survey data. The groundwater elevation data was utilized to generate a Potentiometric Surface Map, which is attached as **Figure 3**. According to the Potentiometric Surface Map, the groundwater beneath both properties appears to flow towards the west-northwest.

2.4 Investigation Derived Waste

The soil cuttings, liquid waste and disposable sampling equipment that were generated during the advancement/installation and the development/purging of each well were placed in steel 55-gallon drums. The drums were labeled as a non-hazardous waste and stored on-site for later off-site disposal. On October 9, 2013, Cardno ATC's subcontractor, North Branch Environmental (NBE) of Roselle, Illinois, mobilized to the site to remove the drums from both properties. Specifically, a total of nine (9) drums from the 1010 South Military Avenue property and six (6) drums from the 1109 South Military Avenue property were loaded by NBE onto their truck and transported to American Waste Industries in Maywood, Illinois for disposal as a "Non-Hazardous Non-DOT Regulated Waste" under Uniform Waste Manifest No. 011534440. NBE was listed as the generator of the waste. A copy of the Uniform Hazardous Waste Manifest in included in **Appendix D**.

2.5 Groundwater Sample Analytical Results

A total of seven (7) groundwater samples (MW1 through MW7) were collected from the permanent monitoring wells installed within the 1010 South Military Avenue property and four (4) groundwater samples (MW8 through MW11) were collected from the permanent monitoring wells installed within the 1109 South Military Avenue property. The collected groundwater samples (MW1 through MW11) were submitted for laboratory analysis of RCRA Metals. The groundwater samples collected from MW5 and MW10 were also analyzed for PAHs. Additionally, the groundwater sample collected from MW5 was analyzed for VOCs.

The laboratory analytical results indicated that two (2) VOCs were detected in MW5 at concentrations that exceeded the laboratory method detection limits. Specifically, Methyl Tertiary Butyl Ether (MTBE) and Tetrahydrofuran were detected at concentrations of 0.42J and 8.6 ug/l, respectively. The detected concentrations of MTBE and Tetrahydrofuran did not exceed the respective NR140 PALs of 12 and 10 ug/l, respectively.

PAHs were not detected in the groundwater samples collected from MW5 and MW10, with the exception of Naphthalene in MW10. However, the detected concentration of Naphthalene [0.032J micrograms per liter (ug/l)] in MW10 did not exceed the respective NR140 PAL of 10 ug/l.

The laboratory analytical results indicated that Metals (Arsenic, Barium, Cadmium, Chromium, Lead and Selenium) were detected in up to seven (7) of the collected groundwater samples at concentrations that exceeded the laboratory method detection limits and NR140 PALs, but not the respective NR140 ES. A summary of the RCRA Metals analytical data is as follows:

- Arsenic concentrations in MW7 (6.6J ug/l) and MW11 (10J ug/l) exceeded the NR140 PAL of 1 ug/l, but not the NR140 ES of 10 ug/l.
- Barium (between 57 and 400 ug/l) in MW1 through MW11 did not exceed the NR140 PAL and NR140 ES of 400 and 2,000 ug/l, respectively.
- Cadmium concentrations in MW9 (2.5J ug/l), MW10 (2.2J ug/l) and MW11 (2.7J ug/l) exceeded the NR140 PAL of 0.5 ug/l, but not the NR140 ES of 5 ug/l.
- Chromium (between 4.2J and 5.7J ug/l) in MW1 through MW5 did not exceed the NR140 PAL and NR140 ES of 10 and 100 ug/l, respectively.
- Lead concentrations in MW1 (1.9J ug/l), MW4 (4.4J ug/l), MW5 (3.2J ug/l), MW9 (8.9 ug/l), MW10 (6.5 ug/l) and MW11 (5.4 ug/l) exceeded the NR140 PAL of 1.5 ug/l, but not the NR140 ES of 15 ug/l.
- Selenium concentrations in MW6 (23 ug/l), MW7 (19J ug/l), MW8 (22 ug/l) and MW11 (10J ug/l) met, or exceeded the NR140 PAL of 10 ug/l, but not the NR140 ES of 50 ug/l.

A tabular summary of the laboratory analytical results and applicable NR140 PALs and NR140 ES are presented in **Tables 1** through **3**. The laboratory analytical reports and chain of custody forms are also provided in **Appendix C**.

3.0 CONCLUSIONS AND RECOMMENDATIONS

Based on the Cardno ATC LSI groundwater analytical data and subsequent submittal of the Notification Letter, WDNR elected to postpone their decision as to whether case numbers would be generated for the 1010 and 1109 South Military Avenue properties until the groundwater data could be confirmed via the installation of permanent groundwater monitoring wells. Subsequently, Cardno ATC installed seven (7) permanent monitoring wells (MW1 through MW7) within the 1010 South Military Avenue property and four (4) permanent monitoring wells (MW8 through MW11) within the 1109 South Military Avenue property. Groundwater samples were collected from each permanent well and submitted for laboratory analysis of RCRA Metals. Select groundwater samples were also analyzed for VOCs and/or PAHs.

The findings of the Cardno ATC LSI that was conducted on April 1-2, 2013 indicated that Tetrahydrofuran was detected in two (2) groundwater samples and PAHs were detected in three (3) groundwater samples at concentrations that exceeded the NR140 PALs, but not the NR140 ES. The recent ALSI groundwater analytical data indicated that Tetrahydrofuran and PAHs were not detected in the groundwater samples collected from MW5 and MW10 at concentrations that exceeded the respective NR140 PALs. Subsequently, it appears that further investigation activities are not warranted in regards to Tetrahydrofuran and PAHs in groundwater.

The findings of the Cardno ATC LSI conducted on April 1-2, 2013 also indicated that Metals (Barium, Cadmium, Chromium, Lead and Selenium) were detected in up to seventeen (17) of the groundwater samples that were collected from temporary wells at concentrations that exceeded the NR140 PALs, but not the NR140 ES, with the exception of Lead in one (1) groundwater sample. Temporary wells are typically utilized as a screening tool for the placement of permanent monitoring wells. The recent ALSI groundwater analytical data indicated that Metals (Arsenic, Cadmium, Lead and Selenium) were detected at concentrations that exceeded the respective NR140 PALs, but not the respective NR140 ES. Since the current groundwater analytical data appears to be consistent with the data generated during the initial

Cardno ATC LSI, and Metals were not detected at concentrations above the NR140ES, it appears that the detected Metals concentrations may be within the regional background concentrations. Subsequently, it appears that further investigation activities are not warranted in regards to Metals in groundwater.

4.0 LIMITATIONS

Our professional services have been performed, our findings obtained and our recommendations prepared in accordance with customary principles and practices in the fields of environmental science and engineering. This warranty is in lieu of all other warranties either expressed or implied. This company is not responsible for the independent conclusions, opinions or recommendations made by others based on the results and designs presented in this report. The passage of time may result in a change in the environmental characteristics at this site and surrounding properties. This report does not warrant against future operations or conditions, nor does it warrant operations or conditions present of a type or at a location not investigated.

This subsurface investigation performed is limited in that results were obtained only for those areas investigated and based on a revised scope of work that was approved by WDNR. Cardno ATC does not warrant that all areas of the site are free and clear of contamination, or that all contamination has been identified by this investigation. All investigations are limited in their scopes and results, and should only be interpreted in the context from which they were designed.

It must be noted that no investigation can absolutely rule out the existence of any hazardous materials at a given site. If a higher level of confidence were required than can be defined by this scope of work, then additional investigation would, of course, be required.

TABLES

Table 1: Summary of VOCs Laboratory Analytical Results-Groundwater Samples
Table 2: Summary of PAHs Laboratory Analytical Results-Groundwater Samples
Table 3: Summary of RCRA Metals Laboratory Analytical Results-Groundwater Samples

Table 1 (Page 1 of 2)
Additional Limited Subsurface Investigation
Summary of VOCs Analytical Results - Groundwater Samples
1010 1109 South Military Avenue
Green Bay, Wisconsin

Sample Name	B1TW	B2TW	B3TW	B4TW	B6TW	B7TW	B8TW	B9TW	B11TW	B12TW	B13TW	B14TW	B15TW	B16TW	B17TW	B18TW	B19TW	B20TW	B21TW	B22TW	MW5	WI NR 140 GW Quality	
Sample Date	4/1/13	4/1/13	4/1/13	4/1/13	4/1/13	4/1/13	4/1/13	4/1/13	4/2/13	4/2/13	4/2/13	4/2/13	4/2/13	4/2/13	4/2/13	4/2/13	4/2/13	4/2/13	4/2/13	4/2/13	10/4/13	Preventive Action Limits	Enforcement Standards
VOCs by USEPA SW846 Method 8260																							
Acetone	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	11 J	<10	<10	<10	<10	<10	<10	<10	<10	1,800	9,000
Acrolein	<8.9	<8.9	<8.9	<8.9	<8.9	<8.9	<8.9	<8.9	<8.9	<8.9	<8.9	<8.9	<8.9	<8.9	<8.9	<8.9	<8.9	<8.9	<8.9	<8.9	<8.9	NE	NE
Acrylonitrile	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	NE	NE
Allyl chloride	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	NE	NE
Benzene	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	0.5	5
Bromobenzene	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	NE	NE
Bromodichloromethane	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	0.06	0.6
Bromoform	<0.47	<0.47	<0.47	<0.47	<0.47	<0.47	<0.47	<0.47	<0.47	<0.47	<0.47	<0.47	<0.47	<0.47	<0.47	<0.47	<0.47	<0.47	<0.47	<0.47	<0.47	0.44	4.4
Bromomethane	<0.87	<0.87	<0.87	<0.87	<0.87	<0.87	<0.87	<0.87	<0.87	<0.87	<0.87	<0.87	<0.87	<0.87	<0.87	<0.87	<0.87	<0.87	<0.87	<0.87	<0.87	1	10
n-Butylbenzene	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	NE	NE
sec-Butylbenzene	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	NE	NE
tert-Butylbenzene	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	NE	NE
Carbon tetrachloride	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	0.5	5
Chlorobenzene	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	20	100
Chlorodibromomethane	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	6	60
Chloroethane	<0.45	<0.45	<0.45	<0.45	<0.45	<0.45	<0.45	<0.45	<0.45	<0.45	<0.45	<0.45	<0.45	<0.45	<0.45	<0.45	<0.45	<0.45	<0.45	<0.45	<0.45	80	400
2-Chloroethyl vinyl ether	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0 J3	NE	NE
Chloroform	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	0.6	6
Chloromethane	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28	3	30
2-Chlorotoluene	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	NE	NE
4-Chlorotoluene	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	NE	NE
1,2-Dibromo-3-Chloropropane	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	0.02	0.2
1,2-Dibromoethane	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	0.005	0.05
Dibromomethane	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	NE	NE
1,2-Dichlorobenzene	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	60	600
1,3-Dichlorobenzene	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	120	600
1,4-Dichlorobenzene	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	15	75
Dichlorodifluoromethane	<0.55	<0.55	<0.55	7.4	<0.55	<0.55	<0.55	<0.55	<0.55	<0.55	<0.55	<0.55	<0.55	<0.55	<0.55	<0.55	<0.55	<0.55	<0.55	<0.55	<0.55	200	1,000
Dichlorofluoromethane	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	NE	NE
1,1-Dichloroethane	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	0.42 J	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	0.34 J	0.75 J	0.48 J	<0.26	<0.26	<0.26	85	850
1,2-Dichloroethane	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	0.5	5
1,1-Dichloroethene	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	0.7	7
cis-1,2-Dichloroethene	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	1.5	4.3	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	7	70
trans-1,2-Dichloroethene	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	20	100

All concentrations are in micrograms per liter (ug/l)

< Indicates the compound was below the method detection limit

NE = Not Established, NA = Not Analyzed

J = (EPA) - Estimated value below the lowest calibration point. Confidence correlates with concentration.

J3 = The associated batch QC was outside the established quality control range for accuracy.

Table 1 (Page 2 of 2)
Additional Limited Subsurface Investigation
Summary of VOCs Analytical Results - Groundwater Samples
1010 1109 South Military Avenue
Green Bay, Wisconsin

Sample Name	B1TW	B2TW	B3TW	B4TW	B6TW	B7TW	B8TW	B9TW	B11TW	B12TW	B13TW	B14TW	B15TW	B16TW	B17TW	B18TW	B19TW	B20TW	B21TW	B22TW	MW5	WI NR 140 GW Quality	
Sample Date	4/1/13	4/1/13	4/1/13	4/1/13	4/1/13	4/1/13	4/1/13	4/1/13	4/2/13	4/2/13	4/2/13	4/2/13	4/2/13	4/2/13	4/2/13	4/2/13	4/2/13	4/2/13	4/2/13	4/2/13	10/4/13	Preventive Action Limits	Enforcement Standards
VOCs by USEPA SW846 Method 8260																							
1,2-Dichloropropane	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31	0.5	5
1,1-Dichloropropene	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	NE	NE
1,3-Dichloropropane	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	NE	NE
cis-1,3-Dichloropropene	<0.42	<0.42	<0.42	<0.42	<0.42	<0.42	<0.42	<0.42	<0.42	<0.42	<0.42	<0.42	<0.42	<0.42	<0.42	<0.42	<0.42	<0.42	<0.42	<0.42	<0.42	0.04	4
trans-1,3-Dichloropropene	<0.42	<0.42	<0.42	<0.42	<0.42	<0.42	<0.42	<0.42	<0.42	<0.42	<0.42	<0.42	<0.42	<0.42	<0.42	<0.42	<0.42	<0.42	<0.42	<0.42	<0.42	0.04	4
2,2-Dichloropropane	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	NE	NE
Di-isopropyl ether	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	NE	NE
Ethylbenzene	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	140	700
Ethyl ether	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	100	1,000
Hexachloro-1,3-butadiene	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	NE	NE
Isopropylbenzene	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	NE	NE
p-Isopropyltoluene	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	NE	NE
2-Butanone (MEK)	<3.9	<3.9	<3.9	<3.9	<3.9	<3.9	<3.9	<3.9	<3.9	<3.9	<3.9	<3.9	<3.9	<3.9	<3.9	<3.9	<3.9	<3.9	<3.9	<3.9	<3.9	800	4,000
Methylene Chloride	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	0.5	5
2-Hexanone	<3.8	<3.8	<3.8	<3.8	<3.8	<3.8	<3.8	<3.8	<3.8	<3.8	<3.8	<3.8	<3.8	<3.8	<3.8	<3.8	<3.8	<3.8	<3.8	<3.8	<3.8	NE	NE
4-Methyl-2-pentanone (MIBK)	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	5.3 J	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	50	500
Methyl tert-butyl ether	<0.37	1.9	3.1	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	0.42 J	12	60
Naphthalene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.8 J	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	10	100
n-Propylbenzene	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	NE	NE
Styrene	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31	10	100
1,1,1,2-Tetrachloroethane	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	7	70
1,1,2,2-Tetrachloroethane	<0.58	<0.58	<0.58	<0.58	<0.58	<0.58	<0.58	<0.58	<0.58	<0.58	<0.58	<0.58	<0.58	<0.58	<0.58	<0.58	<0.58	<0.58	<0.58	<0.58	<0.58	0.02	0.2
1,1,2-Trichlorotrifluoroethane	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	NE	NE
Tetrachloroethene*	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	5*	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	0.5*	5
Tetrahydrofuran	<1.8	21	29	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	8.6	10	50
Toluene	0.84 J	<0.78	<0.78	<0.78	<0.78	<0.78	<0.78	<0.78	0.97 J	<0.78	<0.78	0.80 J	<0.78	<0.78	<0.78	<0.78	<0.78	<0.78	<0.78	<0.78	<0.78	160	800
1,2,3-Trichlorobenzene	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	NE	NE
1,2,4-Trichlorobenzene	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	14	70
1,1,1-Trichloroethane	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	40	200
1,1,2-Trichloroethane	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	0.5	5
Trichloroethene	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	0.43 J	0.42 J	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	0.5	5
Trichlorofluoromethane	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	NE	NE
1,2,3-Trichloropropane	<0.81	<0.81	<0.81	<0.81	<0.81	<0.81	<0.81	<0.81	<0.81	<0.81	<0.81	<0.81	<0.81	<0.81	<0.81	<0.81	<0.81	<0.81	<0.81	<0.81	<0.81 J4	12	60
1,2,4-Trimethylbenzene	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	0.92 J	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	96	480
1,2,3-Trimethylbenzene	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	0.61 J	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	NE	NE
1,3,5-Trimethylbenzene	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	0.66 J	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	96	480
Vinyl chloride	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	0.02	0.2
Xylenes, Total	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	400	2,000

All concentrations are in micrograms per liter (ug/l)

< Indicates the compound was below the method detection limit

NE = Not Established, NA = Not Analyzed

* = Indicates that Tetrachloroethene value is associated with a previous regulatory closure.

Shaded values exceed the Preventive Action Limits listed in NR 140 - Groundwater Quality.

J = (EPA) - Estimated value below the lowest calibration point. Confidence correlates with concentration.

J4 = The associated batch QC was outside the established quality control range for accuracy.

Table 2 (Page 1 of 2)
Additional Limited Subsurface Investigation
Summary of PAHs Analytical Results - Groundwater Samples
1010 1109 South Military Avenue
Green Bay, Wisconsin

Sample Name	B1TW	B2TW	B3TW	B4TW	B6TW	B7TW	B8TW	B9TW	B11TW	B12TW	B13TW	WI NR 140 GW Quality	
Sample Date	4/1/13	4/1/13	4/1/13	4/1/13	4/1/13	4/1/13	4/1/13	4/1/13	4/2/13	4/2/13	4/2/13	Preventive Action Limits	Enforcement Standards
PAHs by USEPA SW846 Method 8270C-SIM													
Anthracene	<0.0076	<0.0076	<0.0076	<0.0076	0.0080 J	0.039 J	0.016 J	0.038 J	0.0088 J	<0.0076	<0.0076	600	3,000
Acenaphthene	0.0083 J	<0.0082	<0.0082	<0.0082	0.020 J	0.028 J	0.014 J	0.083	0.0089 J	<0.0082	<0.0082	NE	NE
Acenaphthylene	<0.0068	<0.0068	<0.0068	<0.0068	<0.0068	<0.0068	<0.0068	<0.0068	0.0068 J	<0.0068	<0.0068	NE	NE
Benzo(a)anthracene	<0.012	<0.012	<0.012	<0.012	<0.012	0.013 J	0.030 J	0.015 J	0.017 J	<0.012	<0.012	NE	NE
Benzo(a)pyrene	<0.012	<0.012	<0.012	<0.012	<0.012	<0.012	0.033 J	<0.012	0.014 J	<0.012	<0.012	0.02	0.2
Benzo(b)fluoranthene	<0.014	<0.014	<0.014	<0.014	<0.014	0.015 J	0.048 J	<0.014	0.021 J	<0.014	<0.014	0.02	0.2
Benzo(g,h,i)perylene	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	0.025 J	<0.011	0.012 J	<0.011	<0.011	NE	NE
Benzo(k)fluoranthene	<0.014	<0.014	<0.014	<0.014	<0.014	<0.014	0.017 J	<0.014	<0.014	<0.014	<0.014	NE	NE
Chrysene	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	0.036 J	<0.011	0.014 J	<0.011	<0.011	0.02	0.2
Dibenz(a,h)anthracene	0.0054 J	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	NE	NE
Fluoranthene	<0.016	<0.016	<0.016	<0.016	<0.016	0.019 J	0.1	0.081	0.033 J	<0.016	<0.016	80	400
Fluorene	0.013 J	<0.0085	<0.0085	<0.0085	<0.0085	0.023 J	0.0096 J	0.040 J	0.0090 J	<0.0085	<0.0085	80	400
Indeno(1,2,3-cd)pyrene	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	0.020 J	<0.015	<0.015	<0.015	<0.015	NE	NE
Naphthalene	0.10 J	0.14 J	0.080 J	0.074 J	0.053 J	0.14 J	0.080 J	0.070 J	0.11 J	0.087 J	0.058 J	10	100
Phenanthrene	0.022 J	0.014 J	0.0095 J	<0.0082	0.019 J	0.040 J	0.081	0.23	0.012 J	<0.0082	<0.0082	NE	NE
Pyrene	0.014 J	<0.012	<0.012	<0.012	<0.012	0.019 J	0.088	0.06	0.031 J	<0.012	<0.012	50	250
1-Methylnaphthalene	0.062 J	0.054 J	0.027 J	0.021 J	0.014 J	0.080 J	0.030 J	0.032 J	0.032 J	0.020 J	0.012 J	NE	NE
2-Methylnaphthalene	0.074 J	0.082 J	0.040 J	0.017 J	0.015 J	0.10 J	0.044 J	0.035 J	0.043 J	0.028 J	0.012 J	NE	NE
2-Chloronaphthalene	<0.0065	<0.0065	<0.0065	<0.0065	<0.0065	<0.0065	<0.0065	<0.0065	<0.0065	<0.0065	<0.0065	NE	NE

All concentrations are in milligrams per liter (mg/l)

< Indicates the compound was below the method detection limit

NE = Not Established

Shaded values exceed the Preventive Action Limits listed in NR 140 - Groundwater Quality.

J = (EPA) - Estimated value below the lowest calibration point. Confidence correlates with concentration.

Table 2 (Page 2 of 2)
Additional Limited Subsurface Investigation
Summary of PAHs Analytical Results - Groundwater Samples
1010 1109 South Military Avenue
Green Bay, Wisconsin

Sample Name	B14TW	B15TW	B16TW	B17TW	B18TW	B19TW	B20TW	B21TW	B22TW	MW5	MW10	WI NR 140 GW Quality	
Sample Date	4/2/13	4/2/13	4/2/13	4/2/13	4/2/13	4/2/13	4/2/13	4/2/13	4/2/13	10/4/13	10/4/13	Preventive Action Limits	Enforcement Standards
PAHs by USEPA SW846 Method 8270C-SIM													
Anthracene	<0.0076	0.1	<0.0076	0.0081 J	0.021 J	<0.0076	<0.0076	<0.0076	<0.0076	<0.0076	<0.0076	600	3,000
Acenaphthene	<0.0082	0.059 J	<0.0082	0.014 J	0.025 J	0.018 J	0.020 J	0.017 J	0.0095 J	<0.0082	<0.0082	NE	NE
Acenaphthylene	<0.0068	0.060 J	<0.0068	<0.0068	<0.0068	<0.0068	0.013 J	<0.0068	<0.0068	<0.0068	<0.0068	NE	NE
Benzo(a)anthracene	<0.012	0.13	<0.012	<0.012	0.015 J	<0.012	<0.012	<0.012	<0.012	<0.012	<0.012	NE	NE
Benzo(a)pyrene	<0.012	0.14	<0.012	<0.012	<0.012	<0.012	<0.012	<0.012	<0.012	<0.012	<0.012	0.02	0.2
Benzo(b)fluoranthene	<0.014	0.080 J	<0.014	<0.014	<0.014	<0.014	<0.014	<0.014	<0.014	<0.014	<0.014	0.02	0.2
Benzo(g,h,i)perylene	<0.011	0.33	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	NE	NE
Benzo(k)fluoranthene	<0.014	0.028 J	<0.014	<0.014	<0.014	<0.014	<0.014	<0.014	<0.014	<0.014	<0.014	NE	NE
Chrysene	<0.011	0.040 J	<0.011	<0.011	0.012 J	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	0.02	0.2
Dibenz(a,h)anthracene	<0.0040	<0.0079	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	NE	NE
Fluoranthene	<0.016	0.12	<0.016	0.034 J	0.057	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	80	400
Fluorene	<0.0085	0.11	<0.0085	<0.0085	0.012 J	<0.0085	<0.0085	<0.0085	<0.0085	<0.0085	<0.0085	80	400
Indeno(1,2,3-cd)pyrene	<0.015	0.12	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	NE	NE
Naphthalene	0.071 J	0.40 J	0.056 J	0.051 J	0.11 J	0.049 J	0.076 J	0.093 J	0.070 J	<0.020	0.032 J	10	100
Phenanthrene	0.024 J	0.13	0.029 J	0.048 J	0.075	0.019 J	<0.0082	<0.0082	0.011 J	<0.0082	<0.0082	NE	NE
Pyrene	0.014 J	0.51	0.024 J	0.14	0.049 J	<0.012	<0.012	<0.012	0.021 J	<0.012	<0.012	50	250
1-Methylnaphthalene	0.020 J	0.52	0.016 J	0.020 J	0.026 J	0.010 J	0.019 J	0.020 J	0.0093 J	<0.0082	<0.0082	NE	NE
2-Methylnaphthalene	<0.0090	0.50 J	0.023 J	0.031 J	0.033 J	0.012 J	0.025 J	0.027 J	0.010 J	<0.0090	<0.0090	NE	NE
2-Chloronaphthalene	<0.0065	<0.013	<0.0065	<0.0065	<0.0065	<0.0065	<0.0065	<0.0065	<0.0065	<0.0065	<0.0065	NE	NE

All concentrations are in milligrams per liter (mg/l)

< Indicates the compound was below the method detection limit

NE = Not Established

Shaded values exceed the Preventive Action Limits listed in NR 140 - Groundwater Quality.

J = (EPA) - Estimated value below the lowest calibration point. Confidence correlates with concentration.

Table 3
Additional Limited Subsurface Investigation
Summary of RCRA Metals - Groundwater Samples
1010 1109 South Military Avenue
Green Bay, Wisconsin

Sample Name	Sample Date	Arsenic	Barium	Cadmium	Chromium	Lead	Mercury	Selenium	Silver
RCRA Metals by USEPA SW846 Method 6010/7470									
B1TW	4/1/13	<6.5	320	1.3 J	19	9	0.057 J	14 J	<2.8
B2TW	4/1/13	NA	NA	<0.70	<1.4	<1.9	NA	NA	NA
B3TW	4/1/13	NA	NA	2.9 J	14	4.5 J	NA	NA	NA
B4TW	4/1/13	NA	NA	1.7 J	3.4 J	<1.9	NA	NA	NA
B6TW	4/1/13	<6.5	120	2.3 J	3.3 J	2.7 J	<0.049	<7.4	<2.8
B7TW	4/1/13	NA	NA	4.7 J	27	**82**	NA	NA	NA
B8TW	4/1/13	<65 O	280	<0.70	18	<1.9	<0.049	36	<2.8
B9TW	4/1/13	<32 O	200	<0.70	27	10	0.053 J	40	<2.8
B11TW	4/2/13	<13 O	130	<0.70	<1.4	4.2 J	<0.049	32	<2.8
B12TW	4/2/13	NA	NA	<0.70	<1.4	<1.9	NA	NA	NA
B13TW	4/2/13	NA	NA	<0.70	<1.4	3.2 J	NA	NA	NA
B14TW	4/2/13	NA	NA	<0.70	<1.4	4.2 J	NA	NA	NA
B15TW	4/2/13	NA	NA	<0.70	<1.4	2.9 J	NA	NA	NA
B16TW	4/2/13	<13 O	55	<0.70	7.2 J	5.0 J	<0.049	20 J	<2.8
B17TW	4/2/13	<6.5	440	<0.70	3.2 J	<1.9	<0.049	22	<2.8
B18TW	4/2/13	NA	NA	<0.70	4.0 J	3.5 J	NA	NA	NA
B19TW	4/2/13	NA	NA	<0.70	1.9 J	<1.9	NA	NA	NA
B20TW	4/2/13	NA	NA	<0.70	<1.4	2.8 J	NA	NA	NA
B21TW	4/2/13	<6.5	86	<0.70	2.9 J	<1.9	<0.049	16 J	<2.8
B22TW	4/2/13	<13 O	97	<0.70	5.5 J	5.9	<0.049	19 J	<2.8
MW1	10/3/13	<6.5	380	<0.70	5.5J	1.9J	<0.049	<7.4	<2.8
MW2	10/3/13	<6.5	150	<0.70	5.7J	<1.9	<0.049	<7.4	<2.8
MW3	10/4/13	<6.5	400	<0.70	4.2J	<1.9	<0.049	<7.4	<2.8
MW4	10/4/13	<6.5	120	<0.70	4.7J	4.4J	<0.049	<7.4	<2.8
MW5	10/4/13	<6.5	200	<0.70	4.4J	3.2J	<0.049	<7.4	<2.8
MW6	10/4/13	<6.5	130	<0.70	<1.4	<1.9	<0.049	23	<2.8
MW7	10/4/13	6.6J	57	<0.70	<1.4	<1.9	<0.049	19J	<2.8
MW8	10/4/13	<6.5	70	<0.70	<1.4	<1.9	<0.049	22	<2.8
MW9	10/4/13	<6.5	120	2.5J	<1.4	8.9	<0.049	<7.4	<2.8
MW10	10/4/13	<6.5	160	2.2J	<1.4	6.5	<0.049	<7.4	<2.8
MW11	10/4/13	10J	110	2.7J	<1.4	5.4	<0.049	10J	<2.8
WI NR 140 GW Quality									
Preventive Action Limits		1	400	0.5	10	1.5	0.2	10	10
Enforcement Standards		10	2,000	5	100	**15**	2	50	50

All concentrations are in micrograms per liter (ug/l)

< Indicates the compound was below the method detection limit

Shaded values exceed the Preventive Action Limits listed in NR 140 - Groundwater Quality.

Values in **BOLD** exceed the Enforcement Standards listed in NR 140 - Groundwater Quality.

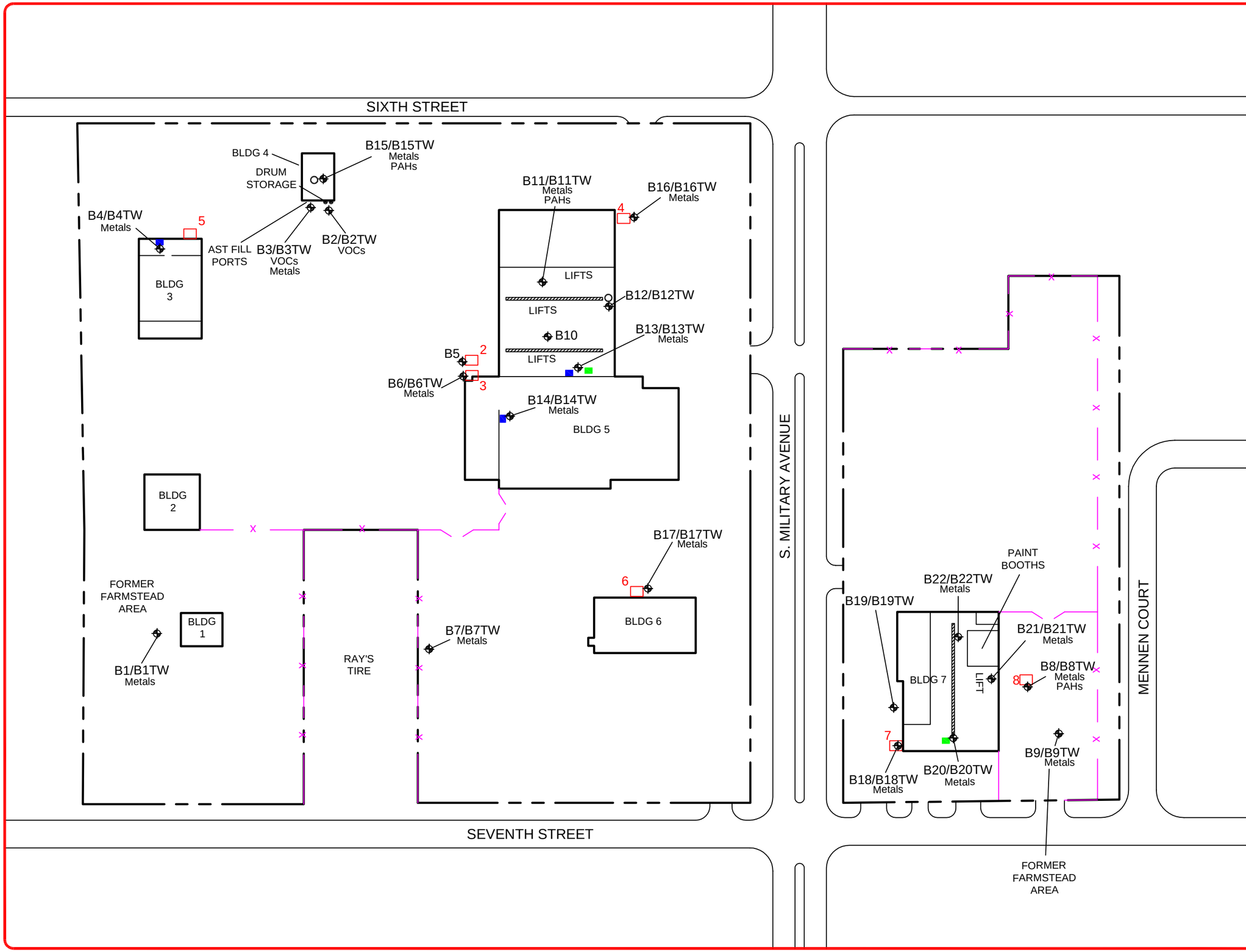
J = (EPA) - Estimated value below the lowest calibration point. Confidence correlates with concentration.

Q = (ESC) Sample held beyond the accepted holding time.

O = (ESC) Sample diluted due to matrix interferences that impaired the ability to make an accurate analytical determination. The detection limit is elevated in order to reflect the necessary dilution.

FIGURES

Figure 1: Soil Boring/Temporary Well Location Map – April 2013
Figure 2: Permanent Monitoring Well Location Map – October 2013
Figure 3: Potentiometric Surface Map – October 2013



LEGEND:

- PROPERTY BUILDING
- PROPERTY LINE
- FENCE LINE
- GATE
- TRENCH
- 2 ANOMALY (WITH IDENTIFIER)) (NOT TO SCALE)
- PARTS WASHER
- OIL/WATER SEPARATOR
- CATCH BASIN
- SOIL BORING/TEMPORARY WELL (EXCEEDED PARAMETERS)
- DRUMS

NOTE: ALL LOCATIONS ARE APPROXIMATE

ONLY STUCTURES INVOLVED WITH THE INVESTIGATION ARE DEPICTED

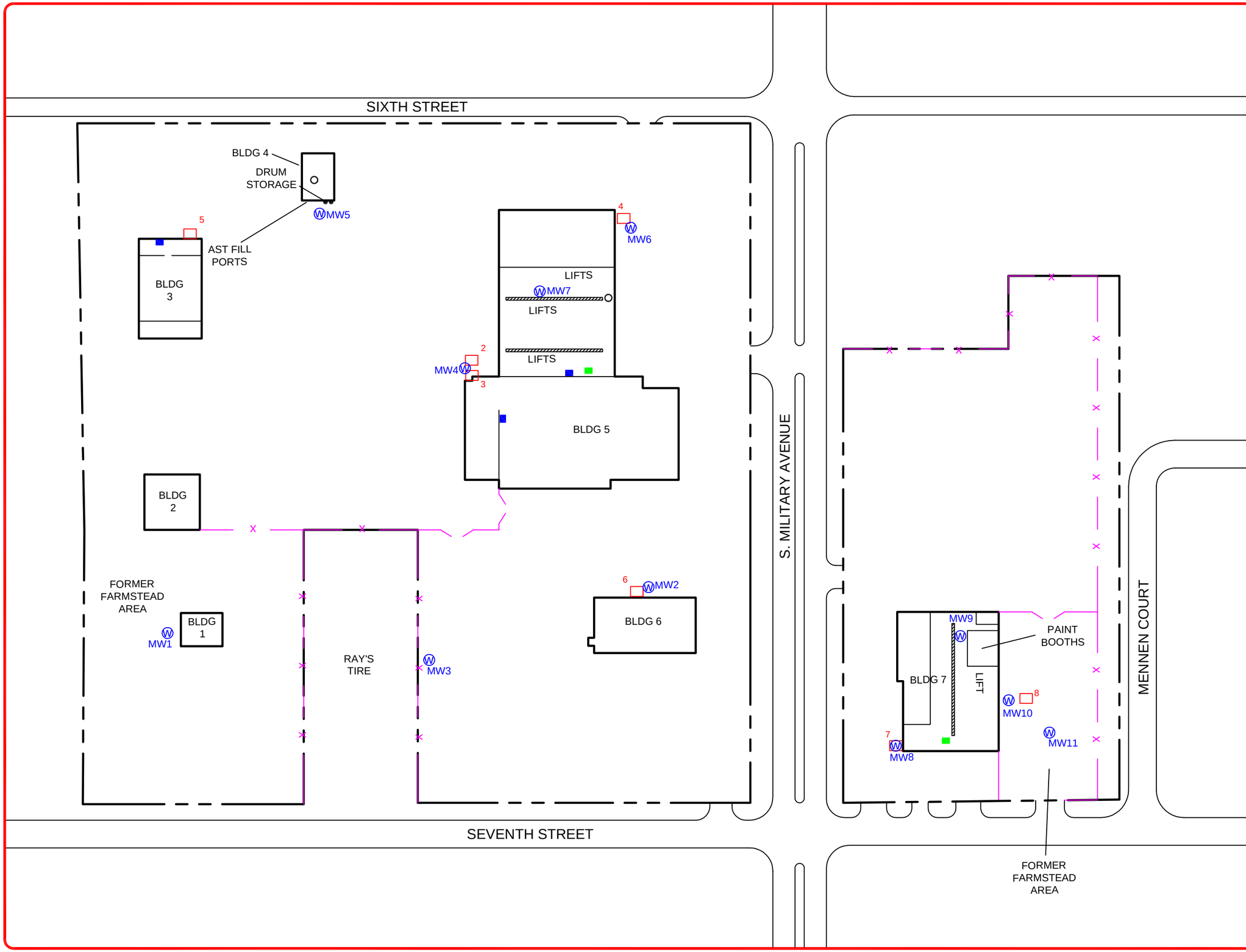
0 50' 100'
SCALE IN FEET

Cardno ATC
1815 SOUTH MEYERS ROAD, SUITE 670
OAKBROOK TERRACE, ILLINOIS 60181
PH: 630-916-7272
FAX: 630-613-1227
EMAIL: WWW.CARDNOATC.COM

DATE: 9/2/2013	PROJECT NO.: 11.44452.0001
DRAWN BY: LJH	SCALE: 1" = 100'
REVIEWED BY: JG	FIGURE 1

SOIL BORING/TEMPORARY WELL LOCATION MAP
LIMITED SUBSURFACE INVESTIGATION

BROADWAY AUTOMOTIVE
1010 AND 1109 S. MILITARY AVENUE
GREEN BAY, WISCONSIN



LEGEND:

- PROPERTY BUILDING
- PROPERTY LINE
- FENCE LINE
- GATE
- TRENCH
- 2 ANOMALY (WITH IDENTIFIER)) (NOT TO SCALE)
- PARTS WASHER
- OIL/WATER SEPARATOR
- CATCH BASIN
- DRUMS
- PERMANENT MONITORING WELL

NOTE: ALL LOCATIONS ARE APPROXIMATE

ONLY STUCTURES INVOLVED WITH THE INVESTIGATION ARE DEPICTED

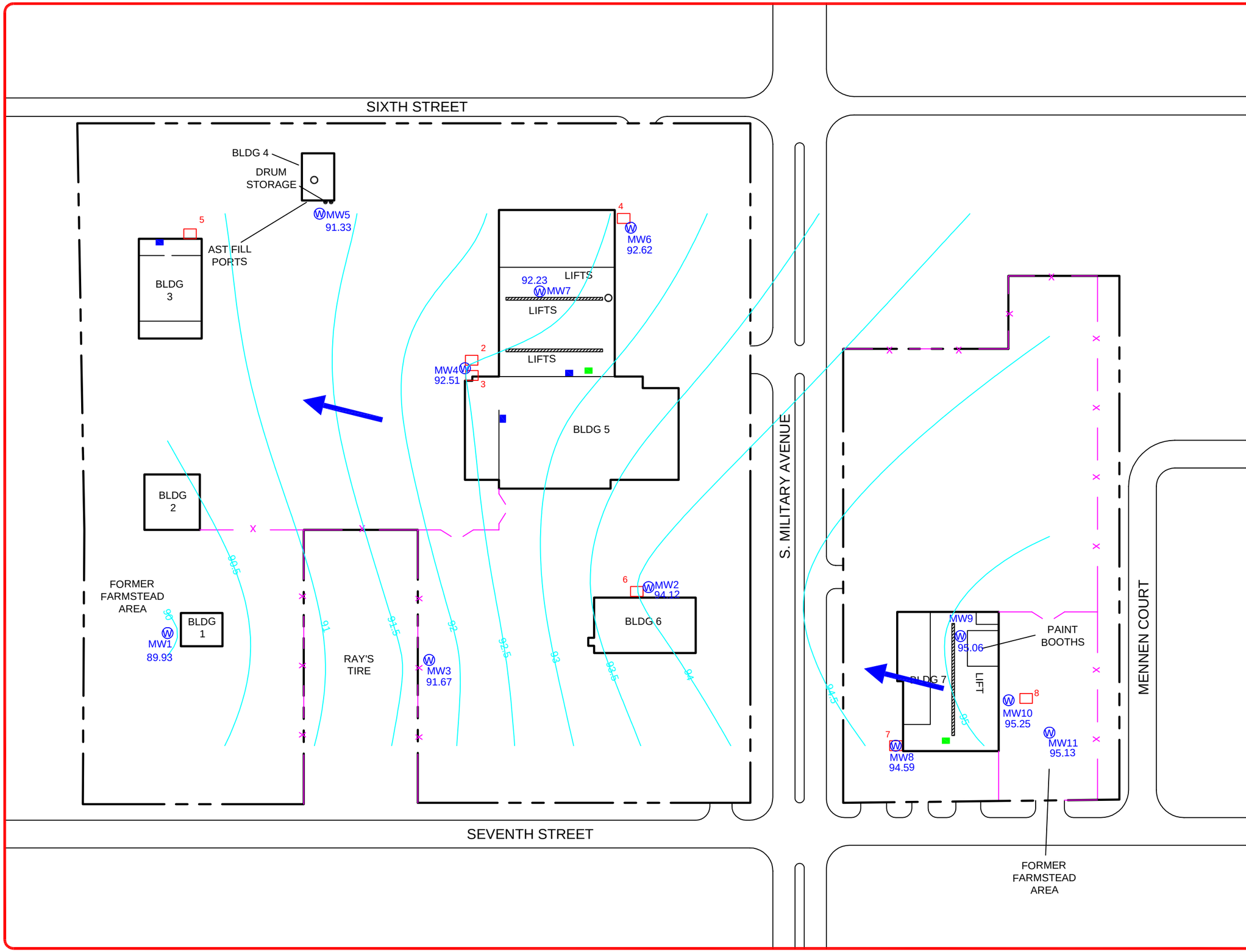
0 50' 100'
SCALE IN FEET

Cardno ATC
1815 SOUTH MEYERS ROAD, SUITE 670
OAKBROOK TERRACE, ILLINOIS 60181
PH: 630-916-7272
FAX: 630-613-1227
EMAIL: WWW.CARDNOATC.COM

DATE: 10/22/2013	PROJECT NO.: 11.44452.0001
DRAWN BY: LJH	SCALE: 1" = 100'
REVIEWED BY: JG	FIGURE 2

PERMANENT MONITORING WELL LOCATION MAP
ADDITIONAL LIMITED SUBSURFACE INVESTIGATION

BROADWAY AUTOMOTIVE
1010 AND 1109 S. MILITARY AVENUE
GREEN BAY, WISCONSIN



LEGEND:

- PROPERTY BUILDING
- PROPERTY LINE
- FENCE LINE
- GATE
- TRENCH
- 2 ANOMALY (WITH IDENTIFIER)) (NOT TO SCALE)
- PARTS WASHER
- OIL/WATER SEPARATOR
- CATCH BASIN
- DRUMS
- PERMANENT MONITORING WELL
- GROUNDWATER FLOW DIRECTION

NOTE: ALL LOCATIONS ARE APPROXIMATE

ONLY STUCTURES INVOLVED WITH THE INVESTIGATION ARE DEPICTED

0 50' 100'
SCALE IN FEET

Cardno ATC
1815 SOUTH MEYERS ROAD, SUITE 670
OAKBROOK TERRACE, ILLINOIS 60181
PH: 630-916-7272
FAX: 630-613-1227
EMAIL: WWW.CARDNOATC.COM

DATE: 10/22/2013	PROJECT NO.: 11.44452.0001
DRAWN BY: LJH	SCALE: 1" = 100'
REVIEWED BY: JG	FIGURE 3

POTENTIOMETRIC SURFACE MAP
ADDITIONAL LIMITED SUBSURFACE INVESTIGATION

BROADWAY AUTOMOTIVE
1010 AND 1109 S. MILITARY AVENUE
GREEN BAY, WISCONSIN

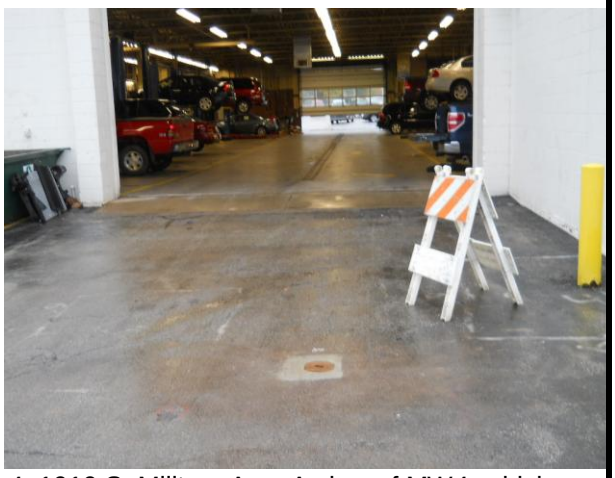
APPENDIX A

Site Photographs

1: 1010 S. Military Ave: A view of MW1, which was installed west of Building 1.

2: 1010 S. Military Ave: A view of MW2, which was installed along the exterior north wall of Building 6 and anomaly 6.

3: 1010 S. Military Ave: A view of MW3, which was installed east of the Ray's Tire property.



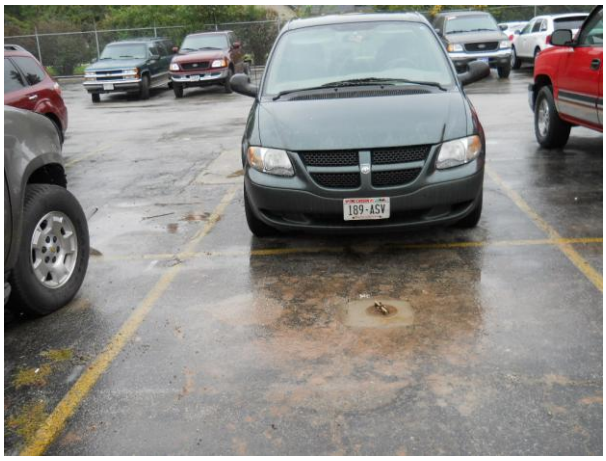
4: 1010 S. Military Ave: A view of MW4, which was installed along the west overhead doors of Building 5 and anomalies 2 and 3.

5: 1010 S. Military Ave: A view of MW5, which was installed along the south wall of Building 4.

6. 1010 S. Military Ave: A view of MW7, which was installed within the hydraulic lift area in Building 5.

7: 1109 S. Military Ave: A view of MW8, which was installed along the exterior southwest corner of Building 7 and anomaly 7.

8: 1109 S. Military Ave: A view of MW9, which was installed adjacent to the trench in Building 7.



9: 1109 S. Military Ave: A view of MW10, which was installed along the exterior east wall of Building 7 and anomaly 8 (under the vehicle).

10: 1109 S. Military Ave: A view of MW11, which was installed within the southeast portion of the property.

11: 1010 S. Military Ave: A view of the nine (9) drums containing non-hazardous soil cuttings and purge water.

12. 1109 S. Military Ave: A view of the six (6) drums containing non-hazardous soil cuttings and purge water.

APPENDIX B

Monitoring Well Construction Diagrams

Cardno ATC
1815 SOUTH MEYERS ROAD
OAKBROOK TERRACE, IL 60181
(630) 916-7272

Cardno ATC Well Completion Report

Cardno ATC FILE NO.: 11.44452.0001 (11003)

Incident No.:

Well No.: **MW1**

Site Name: BROADWAY AUTOMOTIVE

Date Drilled Start: OCTOBER 3, 2013

Drilling Contractor: CABENO ENVIRONMENTAL SERVICES

Date Completed: OCTOBER 3, 2013

Driller:

Inspector: JOSE M. GONZALEZ

Drilling Method: HOLLOW STEM AUGER

Drilling Fluids (Type): N/A

Annular Space Details

Type of Surface Seal: CONCRETE

Type of Annular Sealant: BENTONITE

Type of Bentonite Seal: 3/8" MEDIUM CHIP
(Granular, Pellet)

Type of Sand Pack: #5

Well Construction Materials

	Stainless Steel (Specify Type)	PVC (Specify Type)	Other (Specify Type)
Riser Coupling Joint			
Riser Pipe Above W.T.		SCH. 40	
Riser Pipe Below W.T.		SCH. 40	
Screen		SCH. 40	
Coupling Joint Screen to Riser			
Protective Casing			

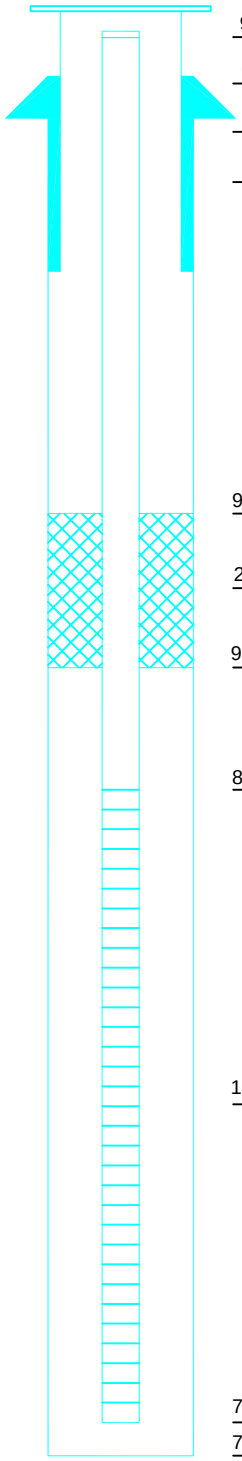
Measurements

to 0.01 ft (where applicable)

Riser Pipe Length	4.18 FEET
Screen Length	10 FEET
Screen Slot Size	0.010 INCH
Protective Casing Length	
Depth to Water	4.24 FEET
Elevation of Water	89.93 FEET
Free Product Thickness	NONE
Gallons Removed (Developed and Purged)	15
Other	

COMPLETED BY: JOSE M. GONZALEZ

Elevations – 0.01 ft.



94.74	Top of Protective Casing
94.17	Top of Riser Pipe
94.74	Ground Surface
94.15	Top of Annular Sealant
	Casing Stickup
94.15	Top of Seal
2.16	Total Seal Interval
91.99	Top of Sand
89.99	Top of Screen
10	Total Screen Interval
79.99	Bottom of Screen
79.99	Bottom of Borehole

Cardno ATC
1815 SOUTH MEYERS ROAD
OAKBROOK TERRACE, IL 60181
(630) 916-7272

Cardno ATC Well Completion Report

Cardno ATC FILE NO.: 11.44452.0001 (11003)

Incident No.:

Well No.: **MW2**

Site Name: BROADWAY AUTOMOTIVE

Date Drilled Start: OCTOBER 3, 2013

Drilling Contractor: CABENO ENVIRONMENTAL SERVICES

Date Completed: OCTOBER 3, 2013

Driller:

Inspector: JOSE M. GONZALEZ

Drilling Method: HOLLOW STEM AUGER

Drilling Fluids (Type): N/A

Annular Space Details

Type of Surface Seal: CONCRETE

Type of Annular Sealant: BENTONITE

Type of Bentonite Seal: 3/8" MEDIUM CHIP
(Granular, Pellet)

Type of Sand Pack: #5

Well Construction Materials

	Stainless Steel (Specify Type)	PVC (Specify Type)	Other (Specify Type)
Riser Coupling Joint			
Riser Pipe Above W.T.		SCH. 40	
Riser Pipe Below W.T.		SCH. 40	
Screen		SCH. 40	
Coupling Joint Screen to Riser			
Protective Casing			

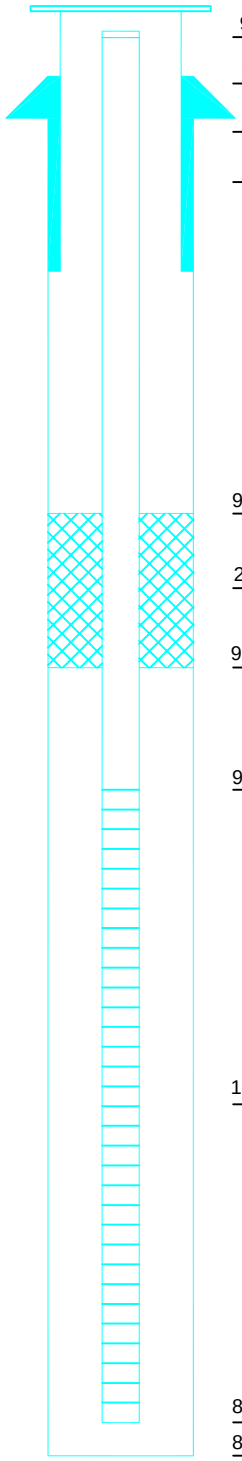
Measurements

to 0.01 ft (where applicable)

Riser Pipe Length	4.98 FEET
Screen Length	10 FEET
Screen Slot Size	0.010 INCH
Protective Casing Length	
Depth to Water	4.29 FEET
Elevation of Water	94.12 FEET
Free Product Thickness	NONE
Gallons Removed (Developed and Purged)	15
Other	

COMPLETED BY: JOSE M. GONZALEZ

Elevations – 0.01 ft.



98.87 Top of Protective Casing
98.41 Top of Riser Pipe
98.87 Ground Surface
98.35 Top of Annular Sealant
_____ Casing Stickup
98.35 Top of Seal
2.92 Total Seal Interval
95.43 Top of Sand
93.43 Top of Screen
10 Total Screen Interval
83.43 Bottom of Screen
83.43 Bottom of Borehole

1815 SOUTH MEYERS ROAD
OAKBROOK TERRACE, IL 60181
(630) 916-7272

Cardno ATC Well Completion Report

Cardno ATC FILE NO.: 11.44452.0001 (11003)

Incident No.:

Well No.: **MW3**

Site Name: BROADWAY AUTOMOTIVE

Date Drilled Start: OCTOBER 3, 2013

Drilling Contractor: CABENO ENVIRONMENTAL SERVICES

Date Completed: OCTOBER 3, 2013

Driller:

Inspector: JOSE M. GONZALEZ

Drilling Method: HOLLOW STEM AUGER

Drilling Fluids (Type): N/A

Annular Space Details

BROADWAY AUTOMOTIVE

Type of Surface Seal: CONCRETE

Type of Annular Sealant: BENTONITE

Type of Bentonite Seal: 3/8" MEDIUM CHIP
(Granular, Pellet)

Type of Sand Pack: #5

Well Construction Materials

	Stainless Steel (Specify Type)	PVC (Specify Type)	Other (Specify Type)
Riser Coupling Joint			
Riser Pipe Above W.T.		SCH. 40	
Riser Pipe Below W.T.		SCH. 40	
Screen		SCH. 40	
Coupling Joint Screen to Riser			
Protective Casing			

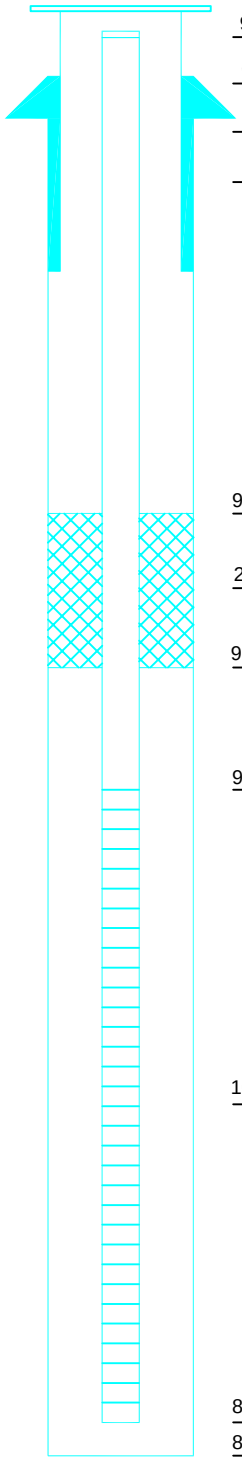
Measurements

to 0.01 ft (where applicable)

Riser Pipe Length	4.96 FEET
Screen Length	10 FEET
Screen Slot Size	0.010 INCH
Protective Casing Length	
Depth to Water	4.01 FEET
Elevation of Water	91.67 FEET
Free Product Thickness	NONE
Gallons Removed (Developed and Purged)	15
Other	

COMPLETED BY: JOSE M. GONZALEZ

Elevations – 0.01 ft.



96.02	Top of Protective Casing
95.68	Top of Riser Pipe
96.02	Ground Surface
94.54	Top of Annular Sealant
	Casing Stickup
95.54	Top of Seal
2.82	Total Seal Interval
92.72	Top of Sand
90.72	Top of Screen
10	Total Screen Interval
80.72	Bottom of Screen
80.72	Bottom of Borehole

1815 SOUTH MEYERS ROAD
OAKBROOK TERRACE, IL 60181
(630) 916-7272

Cardno ATC Well Completion Report

Cardno ATC FILE NO.: 11.44452.0001 (11003)

Incident No.:

Well No.: **MW4**

Site Name: BROADWAY AUTOMOTIVE

Date Drilled Start: OCTOBER 3, 2013

Drilling Contractor: CABENO ENVIRONMENTAL SERVICES

Date Completed: OCTOBER 3, 2013

Driller:

Inspector: JOSE M. GONZALEZ

Drilling Method: HOLLOW STEM AUGER

Drilling Fluids (Type): N/A

Annular Space Details

Type of Surface Seal: CONCRETE

Type of Annular Sealant: BENTONITE

Type of Bentonite Seal: 3/8" MEDIUM CHIP
(Granular, Pellet)

Type of Sand Pack: #5

Well Construction Materials

	Stainless Steel (Specify Type)	PVC (Specify Type)	Other (Specify Type)
Riser Coupling Joint			
Riser Pipe Above W.T.		SCH. 40	
Riser Pipe Below W.T.		SCH. 40	
Screen		SCH. 40	
Coupling Joint Screen to Riser			
Protective Casing			

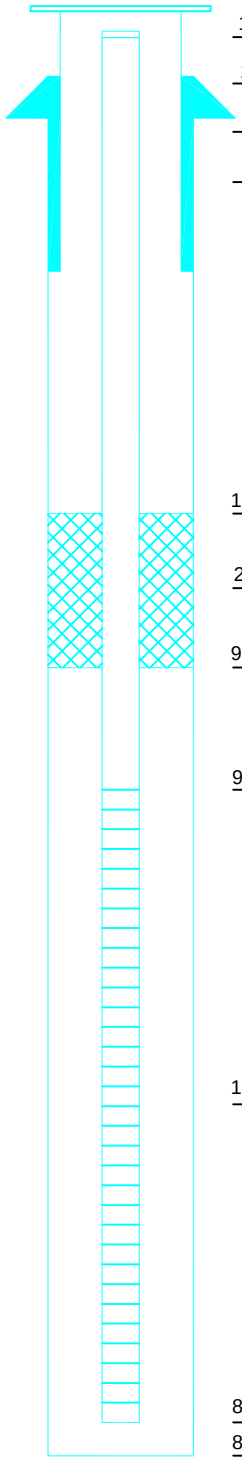
Measurements

to 0.01 ft (where applicable)

Riser Pipe Length	5.02 FEET
Screen Length	10 FEET
Screen Slot Size	0.010 INCH
Protective Casing Length	
Depth to Water	8.99 FEET
Elevation of Water	92.51 FEET
Free Product Thickness	NONE
Gallons Removed (Developed and Purged)	15
Other	

COMPLETED BY: JOSE M. GONZALEZ

Elevations – 0.01 ft.



102.2	Top of Protective Casing
101.5	Top of Riser Pipe
102.2	Ground Surface
101.47	Top of Annular Sealant
	Casing Stickup
101.47	Top of Seal
2.99	Total Seal Interval
98.48	Top of Sand
96.48	Top of Screen
10	Total Screen Interval
86.48	Bottom of Screen
86.48	Bottom of Borehole

Cardno ATC
1815 SOUTH MEYERS ROAD
OAKBROOK TERRACE, IL 60181
(630) 916-7272

Cardno ATC Well Completion Report

Cardno ATC FILE NO.: 11.44452.0001 (11003)

Incident No.:

Well No.: **MW5**

Site Name: BROADWAY AUTOMOTIVE

Date Drilled Start: OCTOBER 3, 2013

Drilling Contractor: CABENO ENVIRONMENTAL SERVICES

Date Completed: OCTOBER 3, 2013

Driller:

Inspector: JOSE M. GONZALEZ

Drilling Method: HOLLOW STEM AUGER

Drilling Fluids (Type): N/A

Annular Space Details

Type of Surface Seal: CONCRETE

Type of Annular Sealant: BENTONITE

Type of Bentonite Seal: $\frac{3}{8}$" MEDIUM CHIP
(Granular, Pellet)

Type of Sand Pack: #5

Well Construction Materials

	Stainless Steel (Specify Type)	PVC (Specify Type)	Other (Specify Type)
Riser Coupling Joint			
Riser Pipe Above W.T.		SCH. 40	
Riser Pipe Below W.T.		SCH. 40	
Screen		SCH. 40	
Coupling Joint Screen to Riser			
Protective Casing			

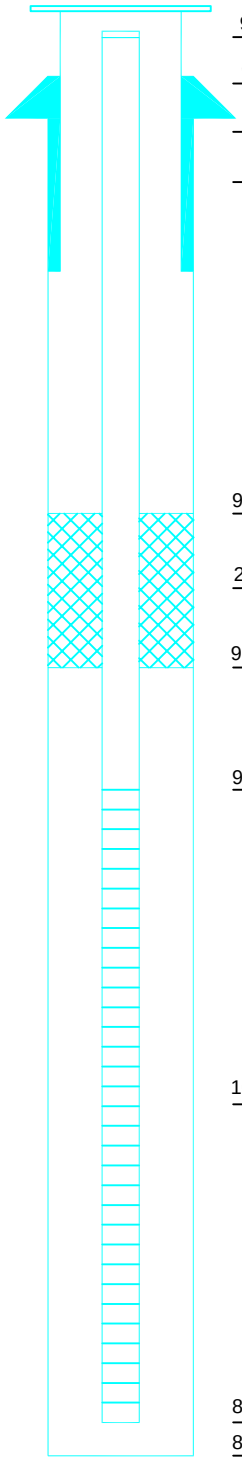
Measurements

to 0.01 ft (where applicable)

Riser Pipe Length	5.06 FEET
Screen Length	10 FEET
Screen Slot Size	0.010 INCH
Protective Casing Length	
Depth to Water	7.47 FEET
Elevation of Water	91.33 FEET
Free Product Thickness	NONE
Gallons Removed (Developed and Purged)	12.5
Other	

COMPLETED BY: JOSE M. GONZALEZ

Elevations – 0.01 ft.



99.15	Top of Protective Casing
98.8	Top of Riser Pipe
99.15	Ground Surface
98.72	Top of Annular Sealant
	Casing Stickup
98.72	Top of Seal
2.98	Total Seal Interval
95.74	Top of Sand
93.74	Top of Screen
10	Total Screen Interval
83.74	Bottom of Screen
83.74	Bottom of Borehole

1815 SOUTH MEYERS ROAD
OAKBROOK TERRACE, IL 60181
(630) 916-7272

Cardno ATC Well Completion Report

Cardno ATC FILE NO.: 11.44452.0001 (11003)

Incident No.:

Well No.: **MW6**

Site Name: BROADWAY AUTOMOTIVE

Date Drilled Start: OCTOBER 3, 2013

Drilling Contractor: CABENO ENVIRONMENTAL SERVICES

Date Completed: OCTOBER 3, 2013

Driller:

Inspector: JOSE M. GONZALEZ

Drilling Method: HOLLOW STEM AUGER

Drilling Fluids (Type): N/A

Annular Space Details

Type of Surface Seal: CONCRETE

Type of Annular Sealant: BENTONITE

Type of Bentonite Seal: $\frac{3}{8}$" MEDIUM CHIP
(Granular, Pellet)

Type of Sand Pack: #5

Well Construction Materials

	Stainless Steel (Specify Type)	PVC (Specify Type)	Other (Specify Type)
Riser Coupling Joint			
Riser Pipe Above W.T.		SCH. 40	
Riser Pipe Below W.T.		SCH. 40	
Screen		SCH. 40	
Coupling Joint Screen to Riser			
Protective Casing			

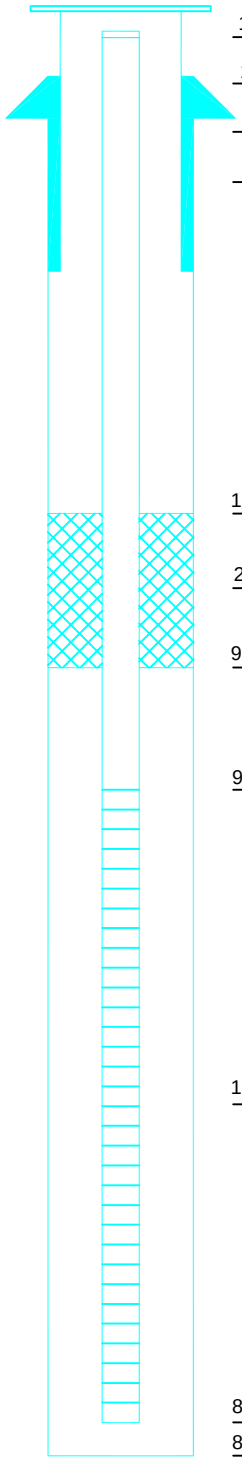
Measurements

to 0.01 ft (where applicable)

Riser Pipe Length	4.41 FEET
Screen Length	10 FEET
Screen Slot Size	0.010 INCH
Protective Casing Length	
Depth to Water	9.19 FEET
Elevation of Water	92.62 FEET
Free Product Thickness	NONE
Gallons Removed (Developed and Purged)	15
Other	

COMPLETED BY: JOSE M. GONZALEZ

Elevations – 0.01 ft.



102.28	Top of Protective Casing
102.0	Top of Riser Pipe
102.28	Ground Surface
101.81	Top of Annular Sealant
	Casing Stickup
101.81	Top of Seal
2.22	Total Seal Interval
99.59	Top of Sand
97.59	Top of Screen
10	Total Screen Interval
87.59	Bottom of Screen
87.59	Bottom of Borehole

Cardno ATC
1815 SOUTH MEYERS ROAD
OAKBROOK TERRACE, IL 60181
(630) 916-7272

Cardno ATC Well Completion Report

Cardno ATC FILE NO.: 11.44452.0001 (11003)

Incident No.:

Well No.: **MW7**

Site Name: BROADWAY AUTOMOTIVE

Date Drilled Start: OCTOBER 3, 2013

Drilling Contractor: CABENO ENVIRONMENTAL SERVICES

Date Completed: OCTOBER 3, 2013

Driller:

Inspector: JOSE M. GONZALEZ

Drilling Method: HOLLOW STEM AUGER

Drilling Fluids (Type): N/A

Annular Space Details

Type of Surface Seal: CONCRETE

Type of Annular Sealant: BENTONITE

Type of Bentonite Seal: $\frac{3}{8}$" MEDIUM CHIP
(Granular, Pellet)

Type of Sand Pack: #5

Well Construction Materials

	Stainless Steel (Specify Type)	PVC (Specify Type)	Other (Specify Type)
Riser Coupling Joint			
Riser Pipe Above W.T.		SCH. 40	
Riser Pipe Below W.T.		SCH. 40	
Screen		SCH. 40	
Coupling Joint Screen to Riser			
Protective Casing			

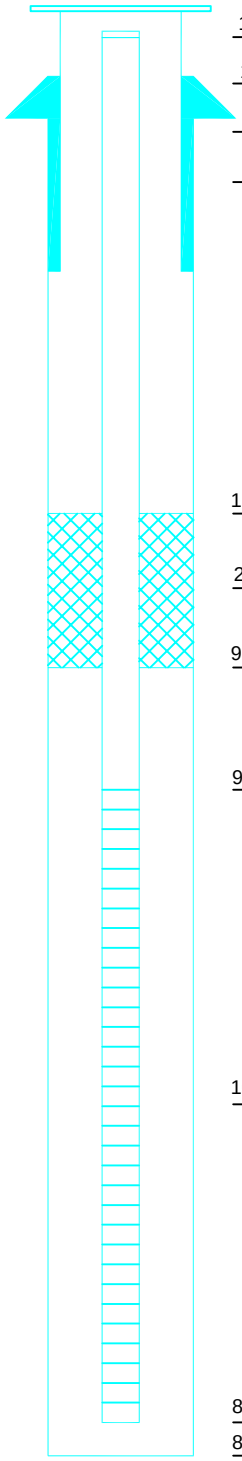
Measurements

to 0.01 ft (where applicable)

Riser Pipe Length	4.42 FEET
Screen Length	10 FEET
Screen Slot Size	0.010 INCH
Protective Casing Length	
Depth to Water	9.79 FEET
Elevation of Water	92.23 FEET
Free Product Thickness	NONE
Gallons Removed (Developed and Purged)	15
Other	

COMPLETED BY: JOSE M. GONZALEZ

Elevations – 0.01 ft.



102.38	Top of Protective Casing
102.20	Top of Riser Pipe
102.38	Ground Surface
102.0	Top of Annular Sealant
	Casing Stickup
102.0	Top of Seal
2.22	Total Seal Interval
99.78	Top of Sand
97.78	Top of Screen
10	Total Screen Interval
87.78	Bottom of Screen
87.78	Bottom of Borehole

Cardno ATC
1815 SOUTH MEYERS ROAD
OAKBROOK TERRACE, IL 60181
(630) 916-7272

Cardno ATC Well Completion Report

Cardno ATC FILE NO.: 11.44452.0001 (11003)

Incident No.:

Well No.: **MW8**

Site Name: BROADWAY AUTOMOTIVE

Date Drilled Start: OCTOBER 3, 2013

Drilling Contractor: CABENO ENVIRONMENTAL SERVICES

Date Completed: OCTOBER 3, 2013

Driller:

Inspector: JOSE M. GONZALEZ

Drilling Method: HOLLOW STEM AUGER

Drilling Fluids (Type): N/A

Annular Space Details

Type of Surface Seal: CONCRETE

Type of Annular Sealant: BENTONITE

Type of Bentonite Seal: $\frac{3}{8}$" MEDIUM CHIP
(Granular, Pellet)

Type of Sand Pack: #5

Well Construction Materials

	Stainless Steel (Specify Type)	PVC (Specify Type)	Other (Specify Type)
Riser Coupling Joint			
Riser Pipe Above W.T.		SCH. 40	
Riser Pipe Below W.T.		SCH. 40	
Screen		SCH. 40	
Coupling Joint Screen to Riser			
Protective Casing			

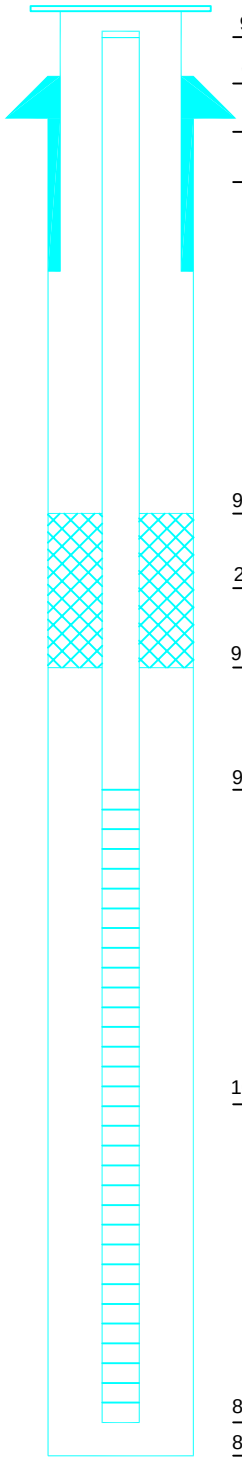
Measurements

to 0.01 ft (where applicable)

Riser Pipe Length	4.89 FEET
Screen Length	10 FEET
Screen Slot Size	0.010 INCH
Protective Casing Length	
Depth to Water	4.45 FEET
Elevation of Water	94.59 FEET
Free Product Thickness	NONE
Gallons Removed (Developed and Purged)	20
Other	

COMPLETED BY: JOSE M. GONZALEZ

Elevations – 0.01 ft.



99.41	Top of Protective Casing
99.04	Top of Riser Pipe
99.41	Ground Surface
98.96	Top of Annular Sealant
	Casing Stickup
98.96	Top of Seal
2.81	Total Seal Interval
96.15	Top of Sand
94.15	Top of Screen
10	Total Screen Interval
84.15	Bottom of Screen
84.15	Bottom of Borehole

1815 SOUTH MEYERS ROAD
OAKBROOK TERRACE, IL 60181
(630) 916-7272

Cardno ATC Well Completion Report

Cardno ATC FILE NO.: 11.44452.0001 (11003)

Incident No.:

Well No.: **MW9**

Site Name: BROADWAY AUTOMOTIVE

Date Drilled Start: OCTOBER 3, 2013

Drilling Contractor: CABENO ENVIRONMENTAL SERVICES

Date Completed: OCTOBER 3, 2013

Driller:

Inspector: JOSE M. GONZALEZ

Drilling Method: HOLLOW STEM AUGER

Drilling Fluids (Type): N/A

Annular Space Details

Type of Surface Seal: CONCRETE

Type of Annular Sealant: BENTONITE

Type of Bentonite Seal: $\frac{3}{8}$" MEDIUM CHIP
(Granular, Pellet)

Type of Sand Pack: #5

Well Construction Materials

	Stainless Steel (Specify Type)	PVC (Specify Type)	Other (Specify Type)
Riser Coupling Joint			
Riser Pipe Above W.T.		SCH. 40	
Riser Pipe Below W.T.		SCH. 40	
Screen		SCH. 40	
Coupling Joint Screen to Riser			
Protective Casing			

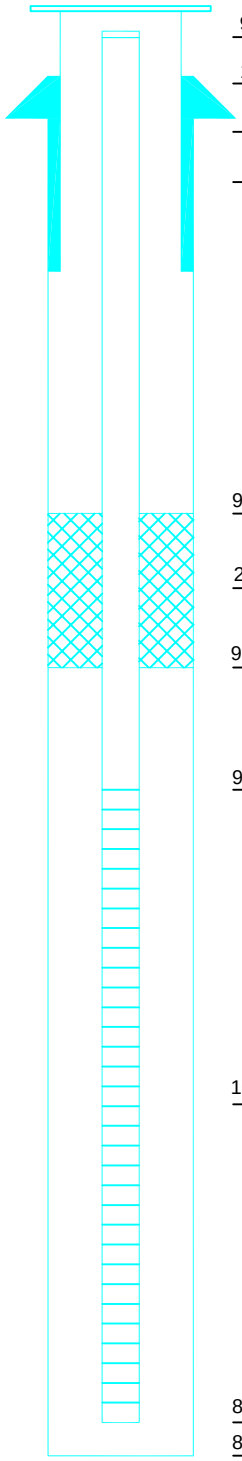
Measurements

to 0.01 ft (where applicable)

Riser Pipe Length	5.04 FEET
Screen Length	10 FEET
Screen Slot Size	0.010 INCH
Protective Casing Length	
Depth to Water	4.64 FEET
Elevation of Water	95.06 FEET
Free Product Thickness	NONE
Gallons Removed (Developed and Purged)	15
Other	

COMPLETED BY: JOSE M. GONZALEZ

Elevations – 0.01 ft.



100.0	Top of Protective Casing
99.70	Top of Riser Pipe
100.0	Ground Surface
99.61	Top of Annular Sealant
	Casing Stickup
99.61	Top of Seal
2.95	Total Seal Interval
96.66	Top of Sand
94.66	Top of Screen
10	Total Screen Interval
84.66	Bottom of Screen
84.66	Bottom of Borehole

1815 SOUTH MEYERS ROAD
OAKBROOK TERRACE, IL 60181
(630) 916-7272

Cardno ATC Well Completion Report

Cardno ATC FILE NO.: 11.44452.0001 (11003)

Incident No.:

Well No.: **MW10**

Site Name: BROADWAY AUTOMOTIVE

Date Drilled Start: OCTOBER 3, 2013

Drilling Contractor: CABENO ENVIRONMENTAL SERVICES

Date Completed: OCTOBER 3, 2013

Driller:

Inspector: JOSE M. GONZALEZ

Drilling Method: HOLLOW STEM AUGER

Drilling Fluids (Type): N/A

Annular Space Details

Type of Surface Seal: CONCRETE

Type of Annular Sealant: BENTONITE

Type of Bentonite Seal: 3/8" MEDIUM CHIP
(Granular, Pellet)

Type of Sand Pack: #5

Well Construction Materials

	Stainless Steel (Specify Type)	PVC (Specify Type)	Other (Specify Type)
Riser Coupling Joint			
Riser Pipe Above W.T.		SCH. 40	
Riser Pipe Below W.T.		SCH. 40	
Screen		SCH. 40	
Coupling Joint Screen to Riser			
Protective Casing			

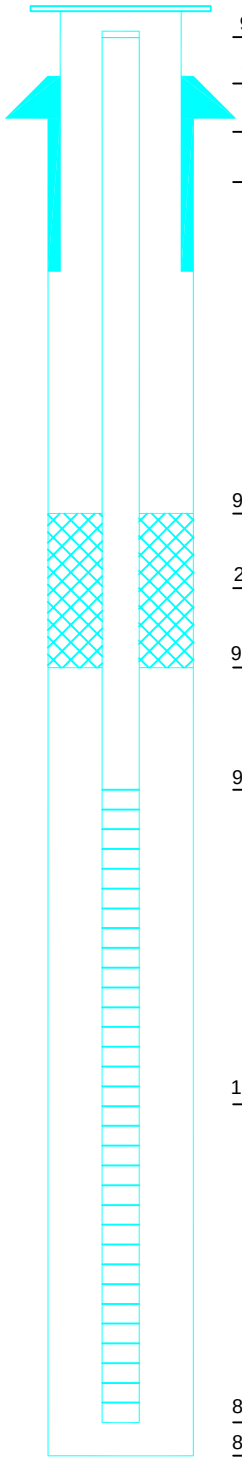
Measurements

to 0.01 ft (where applicable)

Riser Pipe Length	4.94 FEET
Screen Length	10 FEET
Screen Slot Size	0.010 INCH
Protective Casing Length	
Depth to Water	4.24 FEET
Elevation of Water	95.25 FEET
Free Product Thickness	NONE
Gallons Removed (Developed and Purged)	14
Other	

COMPLETED BY: JOSE M. GONZALEZ

Elevations – 0.01 ft.



99.96	Top of Protective Casing
99.49	Top of Riser Pipe
99.96	Ground Surface
99.42	Top of Annular Sealant
	Casing Stickup
99.42	Top of Seal
2.87	Total Seal Interval
96.55	Top of Sand
94.55	Top of Screen
10	Total Screen Interval
84.55	Bottom of Screen
84.55	Bottom of Borehole

Cardno ATC
1815 SOUTH MEYERS ROAD
OAKBROOK TERRACE, IL 60181
(630) 916-7272

Cardno ATC Well Completion Report

Cardno ATC FILE NO.: 11.44452.0001 (11003)

Incident No.:

Well No.: **MW11**

Site Name: BROADWAY AUTOMOTIVE

Date Drilled Start: OCTOBER 3, 2013

Drilling Contractor: CABENO ENVIRONMENTAL SERVICES

Date Completed: OCTOBER 3, 2013

Driller:

Inspector: JOSE M. GONZALEZ

Drilling Method: HOLLOW STEM AUGER

Drilling Fluids (Type): N/A

Annular Space Details

Type of Surface Seal: CONCRETE

Type of Annular Sealant: BENTONITE

Type of Bentonite Seal: $\frac{3}{8}$" MEDIUM CHIP
(Granular, Pellet)

Type of Sand Pack: #5

Well Construction Materials

	Stainless Steel (Specify Type)	PVC (Specify Type)	Other (Specify Type)
Riser Coupling Joint			
Riser Pipe Above W.T.		SCH. 40	
Riser Pipe Below W.T.		SCH. 40	
Screen		SCH. 40	
Coupling Joint Screen to Riser			
Protective Casing			

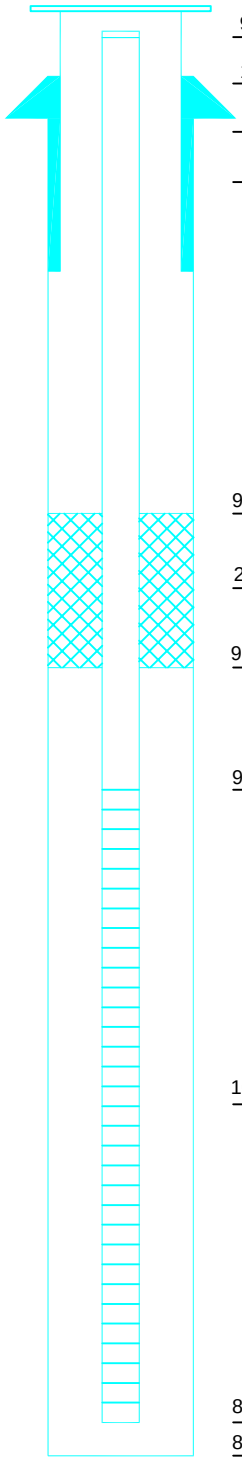
Measurements

to 0.01 ft (where applicable)

Riser Pipe Length	5.0 FEET
Screen Length	10 FEET
Screen Slot Size	0.010 INCH
Protective Casing Length	
Depth to Water	4.51 FEET
Elevation of Water	95.13 FEET
Free Product Thickness	NONE
Gallons Removed (Developed and Purged)	15
Other	

COMPLETED BY: JOSE M. GONZALEZ

Elevations – 0.01 ft.



100.04	Top of Protective Casing
99.64	Top of Riser Pipe
100.04	Ground Surface
99.57	Top of Annular Sealant
	Casing Stickup
99.57	Top of Seal
2.93	Total Seal Interval
96.64	Top of Sand
94.64	Top of Screen
10	Total Screen Interval
84.64	Bottom of Screen
84.64	Bottom of Borehole

APPENDIX C

Laboratory Analytical Reports and Chain of Custody Documentation

12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

Mr. Ed Stowell
Cardno ATC - Lombard, IL
419 Eisenhower Lane South
Lombard, IL 60148

Report Summary

Monday October 21, 2013

Report Number: L661656
Samples Received: 10/05/13
Client Project: 11.44452.0001(11003)

Description: 1010 & 1109 S Military

The analytical results in this report are based upon information supplied by you, the client, and are for your exclusive use. If you have any questions regarding this data package, please do not hesitate to call.

Entire Report Reviewed By: _____

Craig Cothron , ESC Representative

Laboratory Certification Numbers

A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - 01157CA, CT - PH-0197, FL - E87487, GA - 923, IN - C-TN-01, KY - 90010, KYUST - 0016, NC - ENV375/DW21704/BIO041, ND - R-140. NJ - TN002, NJ NELAP - TN002, SC - 84004, TN - 2006, VA - 460132, WV - 233, AZ - 0612, MN - 047-999-395, NY - 11742, WI - 998093910, NV - TN000032011-1, TX - T104704245-11-3, OK - 9915, PA - 68-02979, IA Lab #364

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Note: The use of the preparatory EPA Method 3511 is not approved or endorsed by the CA ELAP.

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Where applicable, sampling conducted by ESC is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.

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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Mr. Ed Stowell
Cardno ATC - Lombard, IL
419 Eisenhower Lane South
Lombard, IL 60148

October 21, 2013

ESC Sample # : L661656-01

Date Received : October 05, 2013
Description : 1010 & 1109 S Military

Site ID :

Sample ID : MW 1

Project # : 11.44452.0001(11003)

Collected By : Jose Gonzalez
Collection Date : 10/03/13 18:44

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Mercury	U	0.000049	0.00020	mg/l		7470A	10/10/13	1
Arsenic	U	0.0065	0.020	mg/l		6010B	10/17/13	1
Barium	0.38	0.0017	0.0050	mg/l		6010B	10/17/13	1
Cadmium	U	0.00070	0.0050	mg/l		6010B	10/17/13	1
Chromium	0.0055	0.0014	0.010	mg/l	J	6010B	10/17/13	1
Lead	0.0019	0.0019	0.0050	mg/l	J	6010B	10/17/13	1
Selenium	U	0.0074	0.020	mg/l		6010B	10/17/13	1
Silver	U	0.0028	0.010	mg/l		6010B	10/17/13	1

U = ND (Not Detected)
MDL = Minimum Detection Limit = LOD = TRRP SDL
RDL = Reported Detection Limit = LOQ = PQL = EQL = TRRP MQL
Note:
The reported analytical results relate only to the sample submitted.
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Reported: 10/20/13 12:33 Revised: 10/21/13 09:19

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REPORT OF ANALYSIS

Mr. Ed Stowell
Cardno ATC - Lombard, IL
419 Eisenhower Lane South
Lombard, IL 60148

October 21, 2013

ESC Sample # : L661656-02

Date Received : October 05, 2013
Description : 1010 & 1109 S Military

Site ID :

Sample ID : MW 2

Project # : 11.44452.0001(11003)

Collected By : Jose Gonzalez
Collection Date : 10/03/13 19:22

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Mercury	U	0.000049	0.00020	mg/l		7470A	10/10/13	1
Arsenic	U	0.0065	0.020	mg/l		6010B	10/17/13	1
Barium	0.15	0.0017	0.0050	mg/l		6010B	10/17/13	1
Cadmium	U	0.00070	0.0050	mg/l		6010B	10/17/13	1
Chromium	0.0057	0.0014	0.010	mg/l	J	6010B	10/17/13	1
Lead	U	0.0019	0.0050	mg/l		6010B	10/17/13	1
Selenium	U	0.0074	0.020	mg/l		6010B	10/17/13	1
Silver	U	0.0028	0.010	mg/l		6010B	10/17/13	1

U = ND (Not Detected)
MDL = Minimum Detection Limit = LOD = TRRP SDL
RDL = Reported Detection Limit = LOQ = PQL = EQL = TRRP MQL
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REPORT OF ANALYSIS

Mr. Ed Stowell
Cardno ATC - Lombard, IL
419 Eisenhower Lane South
Lombard, IL 60148

October 21, 2013

ESC Sample # : L661656-03

Date Received : October 05, 2013
Description : 1010 & 1109 S Military

Site ID :

Sample ID : MW 3

Project # : 11.44452.0001(11003)

Collected By : Jose Gonzalez
Collection Date : 10/04/13 08:18

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Mercury	U	0.000049	0.00020	mg/l		7470A	10/10/13	1
Arsenic	U	0.0065	0.020	mg/l		6010B	10/17/13	1
Barium	0.40	0.0017	0.0050	mg/l		6010B	10/17/13	1
Cadmium	U	0.00070	0.0050	mg/l		6010B	10/17/13	1
Chromium	0.0042	0.0014	0.010	mg/l	J	6010B	10/17/13	1
Lead	U	0.0019	0.0050	mg/l		6010B	10/17/13	1
Selenium	U	0.0074	0.020	mg/l		6010B	10/17/13	1
Silver	U	0.0028	0.010	mg/l		6010B	10/17/13	1

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REPORT OF ANALYSIS

Mr. Ed Stowell
Cardno ATC - Lombard, IL
419 Eisenhower Lane South
Lombard, IL 60148

October 21, 2013

ESC Sample # : L661656-04

Date Received : October 05, 2013
Description : 1010 & 1109 S Military

Site ID :

Sample ID : MW 4

Project # : 11.44452.0001(11003)

Collected By : Jose Gonzalez
Collection Date : 10/04/13 08:58

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Mercury	U	0.000049	0.00020	mg/l		7470A	10/10/13	1
Arsenic	U	0.0065	0.020	mg/l		6010B	10/17/13	1
Barium	0.12	0.0017	0.0050	mg/l		6010B	10/17/13	1
Cadmium	U	0.00070	0.0050	mg/l		6010B	10/17/13	1
Chromium	0.0047	0.0014	0.010	mg/l	J	6010B	10/17/13	1
Lead	0.0044	0.0019	0.0050	mg/l	J	6010B	10/17/13	1
Selenium	U	0.0074	0.020	mg/l		6010B	10/17/13	1
Silver	U	0.0028	0.010	mg/l		6010B	10/17/13	1

U = ND (Not Detected)
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REPORT OF ANALYSIS

Mr. Ed Stowell
Cardno ATC - Lombard, IL
419 Eisenhower Lane South
Lombard, IL 60148

October 21, 2013

ESC Sample # : L661656-05

Date Received : October 05, 2013
Description : 1010 & 1109 S Military

Site ID :

Sample ID : MW 5

Project # : 11.44452.0001(11003)

Collected By : Jose Gonzalez
Collection Date : 10/04/13 10:37

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Mercury	U	0.000049	0.00020	mg/l		7470A	10/10/13	1
Arsenic	U	0.0065	0.020	mg/l		6010B	10/17/13	1
Barium	0.20	0.0017	0.0050	mg/l		6010B	10/17/13	1
Cadmium	U	0.00070	0.0050	mg/l		6010B	10/17/13	1
Chromium	0.0044	0.0014	0.010	mg/l	J	6010B	10/17/13	1
Lead	0.0032	0.0019	0.0050	mg/l	J	6010B	10/17/13	1
Selenium	U	0.0074	0.020	mg/l		6010B	10/17/13	1
Silver	U	0.0028	0.010	mg/l		6010B	10/17/13	1
Volatile Organics								
Acetone	U	0.010	0.050	mg/l		8260B	10/10/13	1
Acrolein	U	0.0089	0.050	mg/l		8260B	10/10/13	1
Acrylonitrile	U	0.0019	0.010	mg/l		8260B	10/10/13	1
Allyl chloride	U	0.0017	0.0050	mg/l		8260B	10/10/13	1
Benzene	U	0.00033	0.0010	mg/l		8260B	10/10/13	1
Bromobenzene	U	0.00035	0.0010	mg/l		8260B	10/10/13	1
Bromodichloromethane	U	0.00038	0.0010	mg/l		8260B	10/10/13	1
Bromoform	U	0.00047	0.0010	mg/l		8260B	10/10/13	1
Bromomethane	U	0.00087	0.0050	mg/l		8260B	10/10/13	1
n-Butylbenzene	U	0.00036	0.0010	mg/l		8260B	10/10/13	1
sec-Butylbenzene	U	0.00036	0.0010	mg/l		8260B	10/10/13	1
tert-Butylbenzene	U	0.00040	0.0010	mg/l		8260B	10/10/13	1
Carbon tetrachloride	U	0.00038	0.0010	mg/l		8260B	10/10/13	1
Chlorobenzene	U	0.00035	0.0010	mg/l		8260B	10/10/13	1
Chlorodibromomethane	U	0.00033	0.0010	mg/l		8260B	10/10/13	1
Chloroethane	U	0.00045	0.0050	mg/l		8260B	10/10/13	1
2-Chloroethyl vinyl ether	U	0.0030	0.050	mg/l	J3	8260B	10/10/13	1
Chloroform	U	0.00032	0.0050	mg/l		8260B	10/10/13	1
Chloromethane	U	0.00028	0.0025	mg/l		8260B	10/10/13	1
2-Chlorotoluene	U	0.00038	0.0010	mg/l		8260B	10/10/13	1
4-Chlorotoluene	U	0.00035	0.0010	mg/l		8260B	10/10/13	1
1,2-Dibromo-3-Chloropropane	U	0.0013	0.0050	mg/l		8260B	10/10/13	1
1,2-Dibromoethane	U	0.00038	0.0010	mg/l		8260B	10/10/13	1
Dibromomethane	U	0.00035	0.0010	mg/l		8260B	10/10/13	1
1,2-Dichlorobenzene	U	0.00035	0.0010	mg/l		8260B	10/10/13	1
1,3-Dichlorobenzene	U	0.00022	0.0010	mg/l		8260B	10/10/13	1
1,4-Dichlorobenzene	U	0.00027	0.0010	mg/l		8260B	10/10/13	1
Dichlorodifluoromethane	U	0.00055	0.0050	mg/l		8260B	10/10/13	1
Dichlorofluoromethane	U	0.00030	0.0050	mg/l		8260B	10/10/13	1
1,1-Dichloroethane	U	0.00026	0.0010	mg/l		8260B	10/10/13	1
1,2-Dichloroethane	U	0.00036	0.0010	mg/l		8260B	10/10/13	1
1,1-Dichloroethene	U	0.00040	0.0010	mg/l		8260B	10/10/13	1

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REPORT OF ANALYSIS

Mr. Ed Stowell
Cardno ATC - Lombard, IL
419 Eisenhower Lane South
Lombard, IL 60148

October 21, 2013

ESC Sample # : L661656-05

Date Received : October 05, 2013
Description : 1010 & 1109 S Military

Site ID :

Sample ID : MW 5

Project # : 11.44452.0001(11003)

Collected By : Jose Gonzalez
Collection Date : 10/04/13 10:37

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
cis-1,2-Dichloroethene	U	0.00026	0.0010	mg/l		8260B	10/10/13	1
trans-1,2-Dichloroethene	U	0.00040	0.0010	mg/l		8260B	10/10/13	1
1,2-Dichloropropane	U	0.00031	0.0010	mg/l		8260B	10/10/13	1
1,1-Dichloropropene	U	0.00035	0.0010	mg/l		8260B	10/10/13	1
1,3-Dichloropropane	U	0.00037	0.0010	mg/l		8260B	10/10/13	1
cis-1,3-Dichloropropene	U	0.00042	0.0010	mg/l		8260B	10/10/13	1
trans-1,3-Dichloropropene	U	0.00042	0.0010	mg/l		8260B	10/10/13	1
2,2-Dichloropropane	U	0.00032	0.0010	mg/l		8260B	10/10/13	1
Di-isopropyl ether	U	0.00032	0.0010	mg/l		8260B	10/10/13	1
Ethylbenzene	U	0.00038	0.0010	mg/l		8260B	10/10/13	1
Ethyl ether	U	0.00039	0.0010	mg/l		8260B	10/10/13	1
Hexachloro-1,3-butadiene	U	0.00026	0.0010	mg/l		8260B	10/10/13	1
Isopropylbenzene	U	0.00033	0.0010	mg/l		8260B	10/10/13	1
p-Isopropyltoluene	U	0.00035	0.0010	mg/l		8260B	10/10/13	1
2-Butanone (MEK)	U	0.0039	0.010	mg/l		8260B	10/10/13	1
Methylene Chloride	U	0.0010	0.0050	mg/l		8260B	10/10/13	1
2-Hexanone	U	0.0038	0.010	mg/l		8260B	10/10/13	1
4-Methyl-2-pentanone (MIBK)	U	0.0021	0.010	mg/l		8260B	10/10/13	1
Methyl tert-butyl ether	0.00042	0.00037	0.0010	mg/l	J	8260B	10/10/13	1
Naphthalene	U	0.0010	0.0050	mg/l		8260B	10/10/13	1
n-Propylbenzene	U	0.00035	0.0010	mg/l		8260B	10/10/13	1
Styrene	U	0.00031	0.0010	mg/l		8260B	10/10/13	1
1,1,1,2-Tetrachloroethane	U	0.00038	0.0010	mg/l		8260B	10/10/13	1
1,1,2,2-Tetrachloroethane	U	0.00058	0.0010	mg/l		8260B	10/10/13	1
1,1,2-Trichlorotrifluoroethane	U	0.00030	0.0010	mg/l		8260B	10/10/13	1
Tetrachloroethene	U	0.00037	0.0010	mg/l		8260B	10/10/13	1
Tetrahydrofuran	0.0086	0.0018	0.0050	mg/l		8260B	10/10/13	1
Toluene	U	0.00078	0.0050	mg/l		8260B	10/10/13	1
1,2,3-Trichlorobenzene	U	0.00023	0.0010	mg/l		8260B	10/10/13	1
1,2,4-Trichlorobenzene	U	0.00021	0.0010	mg/l		8260B	10/10/13	1
1,1,1-Trichloroethane	U	0.00032	0.0010	mg/l		8260B	10/10/13	1
1,1,2-Trichloroethane	U	0.00038	0.0010	mg/l		8260B	10/10/13	1
Trichloroethene	U	0.00040	0.0010	mg/l		8260B	10/10/13	1
Trichlorofluoromethane	U	0.0012	0.0050	mg/l		8260B	10/10/13	1
1,2,3-Trichloropropane	U	0.00081	0.0025	mg/l	J4	8260B	10/10/13	1
1,2,4-Trimethylbenzene	U	0.00037	0.0010	mg/l		8260B	10/10/13	1
1,2,3-Trimethylbenzene	U	0.00032	0.0010	mg/l		8260B	10/10/13	1
1,3,5-Trimethylbenzene	U	0.00039	0.0010	mg/l		8260B	10/10/13	1
Vinyl chloride	U	0.00026	0.0010	mg/l		8260B	10/10/13	1
Xylenes, Total	U	0.0011	0.0030	mg/l		8260B	10/10/13	1
Surrogate Recovery								
Toluene-d8	107.			% Rec.		8260B	10/10/13	1
Dibromofluoromethane	110.			% Rec.		8260B	10/10/13	1

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REPORT OF ANALYSIS

Mr. Ed Stowell
Cardno ATC - Lombard, IL
419 Eisenhower Lane South
Lombard, IL 60148

October 21, 2013

ESC Sample # : L661656-05

Date Received : October 05, 2013
Description : 1010 & 1109 S Military

Site ID :

Sample ID : MW 5

Project # : 11.44452.0001(11003)

Collected By : Jose Gonzalez
Collection Date : 10/04/13 10:37

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
a,a,a-Trifluorotoluene	108.			% Rec.		8260B	10/10/13	1
4-Bromofluorobenzene	97.8			% Rec.		8260B	10/10/13	1
Polynuclear Aromatic Hydrocarbons								
Anthracene	U	0.0000076	0.000050	mg/l		8270C-S	10/10/13	1
Acenaphthene	U	0.0000082	0.000050	mg/l		8270C-S	10/10/13	1
Acenaphthylene	U	0.0000068	0.000050	mg/l		8270C-S	10/10/13	1
Benzo(a)anthracene	U	0.000012	0.000050	mg/l		8270C-S	10/10/13	1
Benzo(a)pyrene	U	0.000012	0.000050	mg/l		8270C-S	10/10/13	1
Benzo(b)fluoranthene	U	0.000014	0.000050	mg/l		8270C-S	10/10/13	1
Benzo(g,h,i)perylene	U	0.000011	0.000050	mg/l		8270C-S	10/10/13	1
Benzo(k)fluoranthene	U	0.000014	0.000050	mg/l		8270C-S	10/10/13	1
Chrysene	U	0.000011	0.000050	mg/l		8270C-S	10/10/13	1
Dibenz(a,h)anthracene	U	0.0000040	0.000050	mg/l		8270C-S	10/10/13	1
Fluoranthene	U	0.000016	0.000050	mg/l		8270C-S	10/10/13	1
Fluorene	U	0.0000085	0.000050	mg/l		8270C-S	10/10/13	1
Indeno(1,2,3-cd)pyrene	U	0.000015	0.000050	mg/l		8270C-S	10/10/13	1
Naphthalene	0.000032	0.000020	0.00025	mg/l	J	8270C-S	10/10/13	1
Phenanthrene	U	0.0000082	0.000050	mg/l		8270C-S	10/10/13	1
Pyrene	U	0.000012	0.000050	mg/l		8270C-S	10/10/13	1
1-Methylnaphthalene	U	0.0000082	0.00025	mg/l		8270C-S	10/10/13	1
2-Methylnaphthalene	U	0.0000090	0.00025	mg/l		8270C-S	10/10/13	1
2-Chloronaphthalene	U	0.0000065	0.00025	mg/l		8270C-S	10/10/13	1
Surrogate Recovery								
Nitrobenzene-d5	99.6			% Rec.		8270C-S	10/10/13	1
2-Fluorobiphenyl	96.1			% Rec.		8270C-S	10/10/13	1
p-Terphenyl-d14	99.6			% Rec.		8270C-S	10/10/13	1

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Lombard, IL 60148

October 21, 2013

ESC Sample # : L661656-06

Date Received : October 05, 2013
Description : 1010 & 1109 S Military

Site ID :

Sample ID : MW 6

Project # : 11.44452.0001(11003)

Collected By : Jose Gonzalez
Collection Date : 10/04/13 10:06

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Mercury	U	0.000049	0.00020	mg/l		7470A	10/10/13	1
Arsenic	U	0.0065	0.020	mg/l		6010B	10/19/13	1
Barium	0.13	0.0017	0.0050	mg/l		6010B	10/19/13	1
Cadmium	U	0.00070	0.0050	mg/l		6010B	10/19/13	1
Chromium	U	0.0014	0.010	mg/l		6010B	10/19/13	1
Lead	U	0.0019	0.0050	mg/l		6010B	10/19/13	1
Selenium	0.023	0.0074	0.020	mg/l		6010B	10/19/13	1
Silver	U	0.0028	0.010	mg/l		6010B	10/19/13	1

U = ND (Not Detected)
MDL = Minimum Detection Limit = LOD = TRRP SDL
RDL = Reported Detection Limit = LOQ = PQL = EQL = TRRP MQL
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REPORT OF ANALYSIS

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Cardno ATC - Lombard, IL
419 Eisenhower Lane South
Lombard, IL 60148

October 21, 2013

ESC Sample # : L661656-07

Date Received : October 05, 2013
Description : 1010 & 1109 S Military

Site ID :

Sample ID : MW 7

Project # : 11.44452.0001(11003)

Collected By : Jose Gonzalez
Collection Date : 10/04/13 09:27

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Mercury	U	0.000049	0.00020	mg/l		7470A	10/10/13	1
Arsenic	0.0066	0.0065	0.020	mg/l	J	6010B	10/19/13	1
Barium	0.057	0.0017	0.0050	mg/l		6010B	10/19/13	1
Cadmium	U	0.00070	0.0050	mg/l		6010B	10/19/13	1
Chromium	U	0.0014	0.010	mg/l		6010B	10/19/13	1
Lead	U	0.0019	0.0050	mg/l		6010B	10/19/13	1
Selenium	0.019	0.0074	0.020	mg/l	J	6010B	10/19/13	1
Silver	U	0.0028	0.010	mg/l		6010B	10/19/13	1

U = ND (Not Detected)
MDL = Minimum Detection Limit = LOD = TRRP SDL
RDL = Reported Detection Limit = LOQ = PQL = EQL = TRRP MQL
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419 Eisenhower Lane South
Lombard, IL 60148

October 21, 2013

ESC Sample # : L661656-08

Date Received : October 05, 2013
Description : 1010 & 1109 S Military

Site ID :

Sample ID : MW 8

Project # : 11.44452.0001(11003)

Collected By : Jose Gonzalez
Collection Date : 10/04/13 11:45

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Mercury	U	0.000049	0.00020	mg/l		7470A	10/10/13	1
Arsenic	U	0.0065	0.020	mg/l		6010B	10/19/13	1
Barium	0.070	0.0017	0.0050	mg/l		6010B	10/19/13	1
Cadmium	U	0.00070	0.0050	mg/l		6010B	10/19/13	1
Chromium	U	0.0014	0.010	mg/l		6010B	10/19/13	1
Lead	U	0.0019	0.0050	mg/l		6010B	10/19/13	1
Selenium	0.022	0.0074	0.020	mg/l		6010B	10/19/13	1
Silver	U	0.0028	0.010	mg/l		6010B	10/19/13	1

U = ND (Not Detected)
MDL = Minimum Detection Limit = LOD = TRRP SDL
RDL = Reported Detection Limit = LOQ = PQL = EQL = TRRP MQL
Note:
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.
Reported: 10/20/13 12:33 Revised: 10/21/13 09:19

12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Mr. Ed Stowell
Cardno ATC - Lombard, IL
419 Eisenhower Lane South
Lombard, IL 60148

October 21, 2013

ESC Sample # : L661656-09

Date Received : October 05, 2013
Description : 1010 & 1109 S Military

Site ID :

Sample ID : MW 9

Project # : 11.44452.0001(11003)

Collected By : Jose Gonzalez
Collection Date : 10/04/13 12:15

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Mercury	U	0.000049	0.00020	mg/l		7470A	10/10/13	1
Arsenic	U	0.0065	0.020	mg/l		6010B	10/13/13	1
Barium	0.12	0.0017	0.0050	mg/l		6010B	10/13/13	1
Cadmium	0.0025	0.00070	0.0050	mg/l	J	6010B	10/13/13	1
Chromium	U	0.0014	0.010	mg/l		6010B	10/13/13	1
Lead	0.0089	0.0019	0.0050	mg/l		6010B	10/13/13	1
Selenium	U	0.0074	0.020	mg/l		6010B	10/13/13	1
Silver	U	0.0028	0.010	mg/l		6010B	10/13/13	1

U = ND (Not Detected)
MDL = Minimum Detection Limit = LOD = TRRP SDL
RDL = Reported Detection Limit = LOQ = PQL = EQL = TRRP MQL
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Reported: 10/20/13 12:33 Revised: 10/21/13 09:19

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Mt. Juliet, TN 37122
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Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Mr. Ed Stowell
Cardno ATC - Lombard, IL
419 Eisenhower Lane South
Lombard, IL 60148

October 21, 2013

ESC Sample # : L661656-10

Date Received : October 05, 2013
Description : 1010 & 1109 S Military

Site ID :

Sample ID : MW 10

Project # : 11.44452.0001(11003)

Collected By : Jose Gonzalez
Collection Date : 10/04/13 12:59

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Mercury	U	0.000049	0.00020	mg/l		7470A	10/10/13	1
Arsenic	U	0.0065	0.020	mg/l		6010B	10/13/13	1
Barium	0.16	0.0017	0.0050	mg/l		6010B	10/13/13	1
Cadmium	0.0022	0.00070	0.0050	mg/l	J	6010B	10/13/13	1
Chromium	U	0.0014	0.010	mg/l		6010B	10/13/13	1
Lead	0.0065	0.0019	0.0050	mg/l		6010B	10/13/13	1
Selenium	U	0.0074	0.020	mg/l		6010B	10/13/13	1
Silver	U	0.0028	0.010	mg/l		6010B	10/13/13	1
Polynuclear Aromatic Hydrocarbons								
Anthracene	U	0.0000076	0.000050	mg/l		8270C-S	10/10/13	1
Acenaphthene	U	0.0000082	0.000050	mg/l		8270C-S	10/10/13	1
Acenaphthylene	U	0.0000068	0.000050	mg/l		8270C-S	10/10/13	1
Benzo(a)anthracene	U	0.000012	0.000050	mg/l		8270C-S	10/10/13	1
Benzo(a)pyrene	U	0.000012	0.000050	mg/l		8270C-S	10/10/13	1
Benzo(b)fluoranthene	U	0.000014	0.000050	mg/l		8270C-S	10/10/13	1
Benzo(g,h,i)perylene	U	0.000011	0.000050	mg/l		8270C-S	10/10/13	1
Benzo(k)fluoranthene	U	0.000014	0.000050	mg/l		8270C-S	10/10/13	1
Chrysene	U	0.000011	0.000050	mg/l		8270C-S	10/10/13	1
Dibenz(a,h)anthracene	U	0.0000040	0.000050	mg/l		8270C-S	10/10/13	1
Fluoranthene	U	0.000016	0.000050	mg/l		8270C-S	10/10/13	1
Fluorene	U	0.0000085	0.000050	mg/l		8270C-S	10/10/13	1
Indeno(1,2,3-cd)pyrene	U	0.000015	0.000050	mg/l		8270C-S	10/10/13	1
Naphthalene	U	0.000020	0.00025	mg/l		8270C-S	10/10/13	1
Phenanthrene	U	0.0000082	0.000050	mg/l		8270C-S	10/10/13	1
Pyrene	U	0.000012	0.000050	mg/l		8270C-S	10/10/13	1
1-Methylnaphthalene	U	0.0000082	0.00025	mg/l		8270C-S	10/10/13	1
2-Methylnaphthalene	U	0.0000090	0.00025	mg/l		8270C-S	10/10/13	1
2-Chloronaphthalene	U	0.0000065	0.00025	mg/l		8270C-S	10/10/13	1
Surrogate Recovery								
Nitrobenzene-d5	51.5			% Rec.	J2	8270C-S	10/10/13	1
2-Fluorobiphenyl	94.9			% Rec.		8270C-S	10/10/13	1
p-Terphenyl-d14	99.9			% Rec.		8270C-S	10/10/13	1

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Reported: 10/20/13 12:33 Revised: 10/21/13 09:19

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Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Mr. Ed Stowell
Cardno ATC - Lombard, IL
419 Eisenhower Lane South
Lombard, IL 60148

October 21, 2013

ESC Sample # : L661656-11

Date Received : October 05, 2013
Description : 1010 & 1109 S Military

Site ID :

Sample ID : MW 11

Project # : 11.44452.0001(11003)

Collected By : Jose Gonzalez
Collection Date : 10/04/13 13:15

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Mercury	U	0.000049	0.00020	mg/l		7470A	10/10/13	1
Arsenic	0.010	0.0065	0.020	mg/l	J	6010B	10/13/13	1
Barium	0.11	0.0017	0.0050	mg/l		6010B	10/13/13	1
Cadmium	0.0027	0.00070	0.0050	mg/l	J	6010B	10/13/13	1
Chromium	U	0.0014	0.010	mg/l		6010B	10/13/13	1
Lead	0.0054	0.0019	0.0050	mg/l		6010B	10/13/13	1
Selenium	0.010	0.0074	0.020	mg/l	J	6010B	10/13/13	1
Silver	U	0.0028	0.010	mg/l		6010B	10/13/13	1

U = ND (Not Detected)
MDL = Minimum Detection Limit = LOD = TRRP SDL
RDL = Reported Detection Limit = LOQ = PQL = EQL = TRRP MQL
Note:
The reported analytical results relate only to the sample submitted.
This report shall not be reproduced, except in full, without the written approval from ESC.
.
Reported: 10/20/13 12:33 Revised: 10/21/13 09:19

Attachment A
List of Analytes with QC Qualifiers

Sample Number	Work Group	Sample Type	Analyte	Run ID	Qualifier
L661656-01	WG686596	SAMP	Chromium	R2841328	J
	WG686596	SAMP	Lead	R2841328	J
L661656-02	WG686596	SAMP	Chromium	R2841328	J
L661656-03	WG686596	SAMP	Chromium	R2841328	J
L661656-04	WG686596	SAMP	Chromium	R2841328	J
	WG686596	SAMP	Lead	R2841328	J
L661656-05	WG686596	SAMP	Chromium	R2841328	J
	WG686596	SAMP	Lead	R2841328	J
	WG685802	SAMP	Naphthalene	R2839018	J
	WG686505	SAMP	2-Chloroethyl vinyl ether	R2838962	J3
	WG686505	SAMP	Methyl tert-butyl ether	R2838962	J
	WG686505	SAMP	1,2,3-Trichloropropane	R2838962	J4
L661656-07	WG686595	SAMP	Arsenic	R2842080	J
	WG686595	SAMP	Selenium	R2842080	J
L661656-09	WG686653	SAMP	Cadmium	R2839680	J
L661656-10	WG686653	SAMP	Cadmium	R2839680	J
	WG685802	SAMP	Nitrobenzene-d5	R2839018	J2
L661656-11	WG686653	SAMP	Arsenic	R2839680	J
	WG686653	SAMP	Cadmium	R2839680	J
	WG686653	SAMP	Selenium	R2839680	J

Attachment B
Explanation of QC Qualifier Codes

Qualifier	Meaning
J	(EPA) - Estimated value below the lowest calibration point. Confidence correlates with concentration.
J2	Surrogate recovery limits have been exceeded; values are outside lower control limits
J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.

Qualifier Report Information

ESC utilizes sample and result qualifiers as set forth by the EPA Contract Laboratory Program and as required by most certifying bodies including NELAC. In addition to the EPA qualifiers adopted by ESC, we have implemented ESC qualifiers to provide more information pertaining to our analytical results. Each qualifier is designated in the qualifier explanation as either EPA or ESC. Data qualifiers are intended to provide the ESC client with more detailed information concerning the potential bias of reported data. Because of the wide range of constituents and variety of matrices incorporated by most EPA methods,it is common for some compounds to fall outside of established ranges. These exceptions are evaluated and all reported data is valid and useable "unless qualified as 'R' (Rejected)."

Definitions

Accuracy - The relationship of the observed value of a known sample to the true value of a known sample. Represented by percent recovery and relevant to samples such as: control samples, matrix spike recoveries, surrogate recoveries, etc.

Precision - The agreement between a set of samples or between duplicate samples. Relates to how close together the results are and is represented by Relative Percent Differrence.

Surrogate - Organic compounds that are similar in chemical composition, extraction, and chromotography to analytes of interest. The surrogates are used to determine the probable response of the group of analytes that are chemically related to the surrogate compound. Surrogates are added to the sample and carried through all stages of preparation and analyses.

TIC - Tentatively Identified Compound: Compounds detected in samples that are not target compounds, internal standards, system monitoring compounds, or surrogates.

Summary of Remarks For Samples Printed
10/21/13 at 09:19:10

TSR Signing Reports: 034

Log all PAHS as PAHSIM

Sample: L661656-01 Account: ATCLIL Received: 10/05/13 09:00 Due Date: 10/11/13 00:00 RPT Date: 10/20/13 12:33

Sample: L661656-02 Account: ATCLIL Received: 10/05/13 09:00 Due Date: 10/11/13 00:00 RPT Date: 10/20/13 12:33

Sample: L661656-03 Account: ATCLIL Received: 10/05/13 09:00 Due Date: 10/11/13 00:00 RPT Date: 10/20/13 12:33

Sample: L661656-04 Account: ATCLIL Received: 10/05/13 09:00 Due Date: 10/11/13 00:00 RPT Date: 10/20/13 12:33

Sample: L661656-05 Account: ATCLIL Received: 10/05/13 09:00 Due Date: 10/11/13 00:00 RPT Date: 10/20/13 12:33

Sample: L661656-06 Account: ATCLIL Received: 10/05/13 09:00 Due Date: 10/11/13 00:00 RPT Date: 10/20/13 12:33

Sample: L661656-07 Account: ATCLIL Received: 10/05/13 09:00 Due Date: 10/11/13 00:00 RPT Date: 10/20/13 12:33

Sample: L661656-08 Account: ATCLIL Received: 10/05/13 09:00 Due Date: 10/11/13 00:00 RPT Date: 10/20/13 12:33

Sample: L661656-09 Account: ATCLIL Received: 10/05/13 09:00 Due Date: 10/11/13 00:00 RPT Date: 10/20/13 12:33

Sample: L661656-10 Account: ATCLIL Received: 10/05/13 09:00 Due Date: 10/11/13 00:00 RPT Date: 10/20/13 12:33

Sample: L661656-11 Account: ATCLIL Received: 10/05/13 09:00 Due Date: 10/11/13 00:00 RPT Date: 10/20/13 12:33

Cardno ATC - Lombard, IL
1815 S. MEYERS ROAD
~~419 Eisenhower Lane South~~ SUITE 670
~~Lombard, IL 60148~~
OAKBROOK TERRACE, IL 60181

Billing Information:
Attn:Accounts Payable
~~419 Eisenhower Ln. S.~~
~~Lombard, IL 60148-5706~~

Report to: JOSE M. GONZALEZ
Email To: JOSE.GONZALEZ@CARDNO.COM
Project Description: 1010 & 1109 S. MILITARY
City/State Collected: GREENBAY, WI
Phone: 630-916-7272
Fax:
Client Project # 11.44452.0001 (11003)
Lab Project #
Collected by (print): JOSE M. GONZALEZ
Site/Facility ID #
P.O. # 11.44452.0001 (11002)
Collected by (signature):
Immediately Packed on Ice N ____ Y X
Rush? (Lab MUST Be Notified)
____ Same Day 200%
____ Next Day 100%
____ Two Day 50%
____ Three Day 25%
Date Results Needed: 7 DAY TAT
Email? ___No X Yes
FAX? X No ___Yes

Analysis / Container / Preservative

Chain of Custody Page 1 of 2

ESC LAB SCIENCES
YOUR LAB OF CHOICE
12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# L661656
A249
Acctnum: ATCLIL
Template:
Prelogin:
TSR: 034 - Craig Cothron
PB:
Shipped Via:

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	RCRA METALS v2	PAHs	VOCs	Rem./Contaminant	Sample # (lab only)
MW1	G	GW		10/3/13	18:44	1	X				01
MW2	G	GW		10/3/13	19:22	1	X				02
MW3		GW		10/4/13	8:18	1	X				03
MW4					8:58	1	X				04
MW5					10:37	5	X	X	X		05
MW6					10:06	1	X				06
MW7					9:27	1	X				07
MW8					11:45	1	X				08
MW9					12:15	1	X				09

* Matrix: SS - Soil GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other_____

Remarks: USE WISCONSIN DNR APPROVED METHOD

5622 3980 7850

pH _____ Temp _____
Flow _____ Other _____

Hold #

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Samples returned via: ☐ UPS ☑ FedEx ☐ Courier ☐ ____	Condition: (lab use only)
	10/4/13	16:50			
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 32 °C Bottles Received: 17	COC Seal Intact: ____Y ____N ____NA
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 10-5-13 Time: 0900	pH Checked: <2 NCF:

Chain of Custody Page 2 of 2

ESC LAB SCIENCES
YOUR LAB OF CHOICE
12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

Cardno ATC - ~~Lombard, IL~~

~~419 Eisenhower Lane South~~
Lombard, IL 60148

Billing Information:
Attn:Accounts Payable
419 Eisenhower Ln. S.
Lombard, IL 60148-5706

2 of 2

Report to:

Email To:

Project Description:

City/State Collected:

Phone: 630-916-7272
Fax:

Client Project #

Lab Project #

Collected by (print):

Site/Facility ID #

P.O. #

Collected by (signature):

Immediately Packed on Ice N ____ Y ____

Rush? (Lab MUST Be Notified)
____ Same Day 200%
____ Next Day 100%
____ Two Day 50%
____ Three Day 25%

Date Results Needed

Email? ___No ___Yes
FAX? ___No ___Yes

Analysis / Container / Preservative

L# U61652
Table #
Acctnum: ATCLIL
Template:
Prelogin:
TSR: 034 - Craig Cothron
PB:
Shipped Via:

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	RCRA Metals <2	BATS	Rem./Contaminant	Sample # (lab only)
MW10	G	GW		10/4/13	12:59	3	X	X		10
MW11	G	GW		10/4/13	13:15	1	X			11

* Matrix: SS - Soil GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other_____

pH _____ Temp _____
Flow _____ Other _____

Remarks: 962239807850

Hold #

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature) M Lowe

Samples returned via: ☐ UPS ☒ FedEx ☐ Courier ☐ _____

Temp: 32 °C Bottles Received: 17

Date: 10-5-13 Time: 0900

Condition: (lab use only) OK

COC Seal Intact: ____Y ____N ____NA

pH Checked: <2

NCF:

APPENDIX D

Uniform Waste Manifest

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: 0434825101
2. Page 1 of
3. Emergency Response Phone: (630)529-0240
4. Manifest Tracking Number: 011534440 JJK

5. Generator's Name and Mailing Address
North branch Environmental
7 N 458 Garden ave
Roselle, Il 60172 (630)529-0240

Generator's Site Address (if different than mailing address)

Generator's Phone:

6. Transporter 1 Company Name: North Branch Environmental UPM035046IIL
U.S. EPA ID Number: ILR000032977

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
American Waste Industries
2010 W. Madison Street
Maywood, Il 60153 (708)681-3999

U.S. EPA ID Number
0311740001
ILD000716894

Facility's Phone:

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
	1. Non-Hazardous, Non-DOT Regulated waste	30	DM	1650	G	
	2. FROM: 9 DRUMS - 1010 S. MILITARY AVE					
	3. 6 DRUMS - 1109 S. MILITARY AVE; 15 DRUMS - 2700 S. ASHLAND AVE					
	4. GREEN BAY WI					

14. Special Handling Instructions and Additional Information

Work order 102845

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Geronimo Covarrubias
Signature: Geronimo Covarrubias
Month 10 Day 09 Year 13

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Geronimo Covarrubias
Signature: Geronimo Covarrubias
Month 10 Day 09 Year 13

Transporter 2 Printed/Typed Name
Signature
Month Day Year

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: MARY LEU
Signature
Month 10 Day 10 Year 13

GENERATOR | INT'L | TRANSPORTER | DESIGNATED FACILITY

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

TRANSPORTER'S COPY

30 DRUMS - TOTAL